

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT				
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER GMBU B-24-9-15				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT MONUMENT BUTTE				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)				
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825				
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-68548			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL	FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN			
LOCATION AT SURFACE	555 FSL 2034 FEL		SWSE	13	9.0 S	15.0 E	S			
Top of Uppermost Producing Zone	206 FSL 1452 FEL		SWSE	13	9.0 S	15.0 E	S			
At Total Depth	168 FNL 875 FEL		NENE	24	9.0 S	15.0 E	S			
21. COUNTY DUCESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 168		23. NUMBER OF ACRES IN DRILLING UNIT 20					
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 835		26. PROPOSED DEPTH MD: 6094 TVD: 5910					
27. ELEVATION - GROUND LEVEL 6144			28. BOND NUMBER WYB000493		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478					
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G	138	1.17	15.8
PROD	7.875	5.5	0 - 6094	15.5	J-55 LT&C	8.3	Premium Lite High Strength	283	3.26	11.0
							50/50 Poz	363	1.24	14.3
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Heather Calder				TITLE Production Technician			PHONE 435 646-4936			
SIGNATURE				DATE 08/15/2013			EMAIL hcalder@newfield.com			
API NUMBER ASSIGNED 43013524690000				APPROVAL Permit Manager						

NEWFIELD PRODUCTION COMPANY
GMBU B-24-9-15
AT SURFACE: SW/SE SECTION 13, T9S R15E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 3,580'
Green River	3,580'
Wasatch	6,135'
Proposed TD	6,094'(MD) 5,910' (TVD)

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 3,580' – 6,135'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO ₃) (mg/l)
Dissolved Bicarbonate (NaHCO ₃) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO ₄) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. **PROPOSED CASING PROGRAM**

a. **Casing Design: GMBU B-24-9-15**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	6,094'	15.5	J-55	LTC	4,810 2.48	4,040 2.08	217,000 2.30

Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg
 Pore pressure at surface casing shoe = 8.33 ppg
 Pore pressure at prod casing shoe = 8.33 ppg
 Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. **Cementing Design: GMBU B-24-9-15**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft ³ /sk)
			ft ³			
Surface casing	300'	Class G w/ 2% CaCl	138 161	30%	15.8	1.17
Prod casing Lead	4,094'	Prem Lite II w/ 10% gel + 3% KCl	283 922	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

*Actual volume pumped will be 15% over the caliper log

- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ± 300 feet will be drilled with an air/mist system. The air rig is equipped with a 6 1/2" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ± 300 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBDT to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated

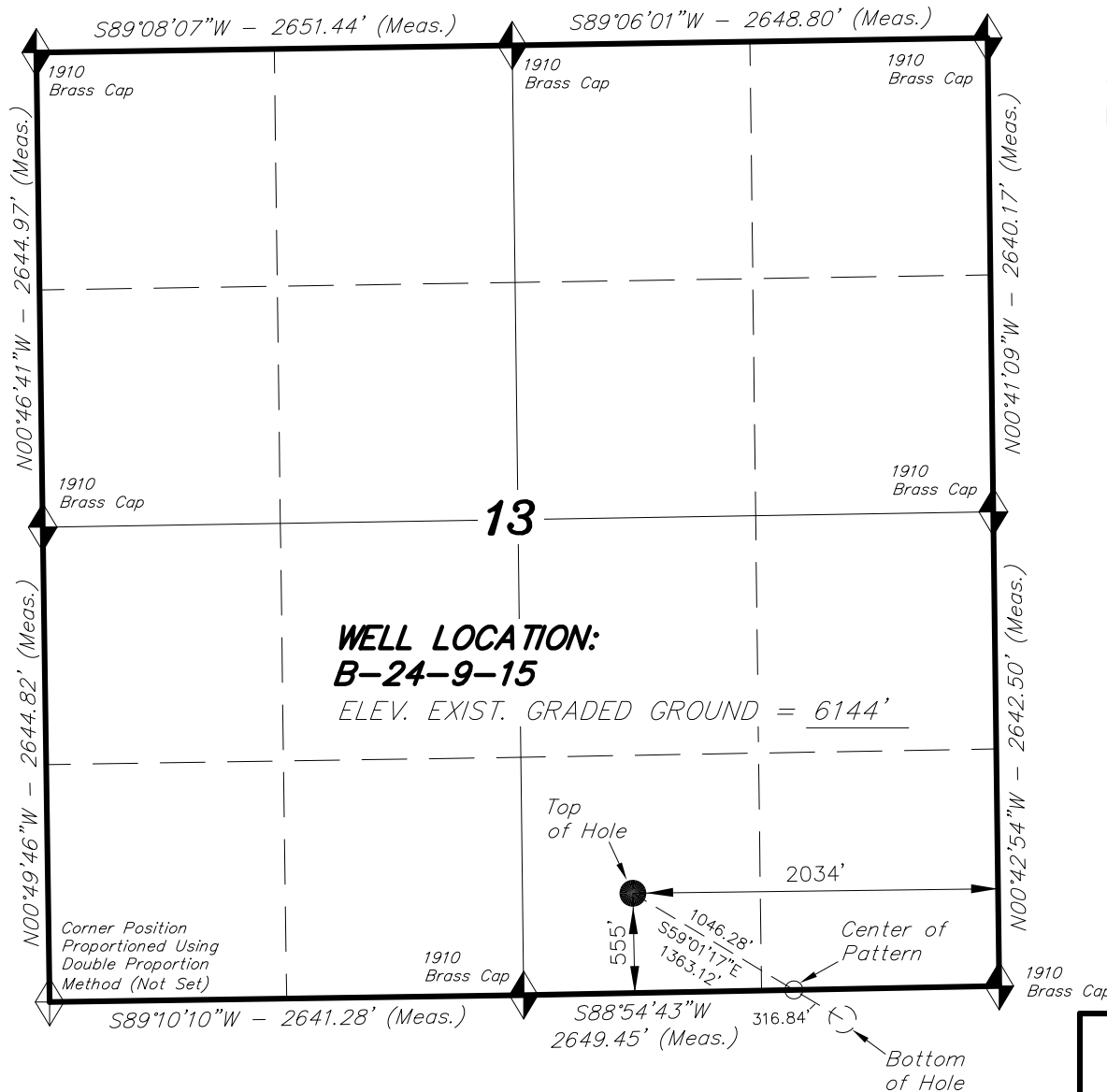
bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

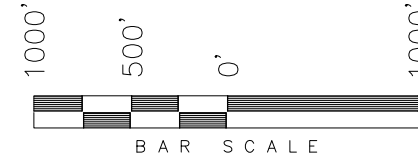
It is anticipated that the drilling operations will commence the first quarter of 2014, and take approximately seven (7) days from spud to rig release.

T9S, R15E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY



WELL LOCATION, B-24-9-15, LOCATED AS SHOWN IN THE SW 1/4 SE 1/4 OF SECTION 13, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

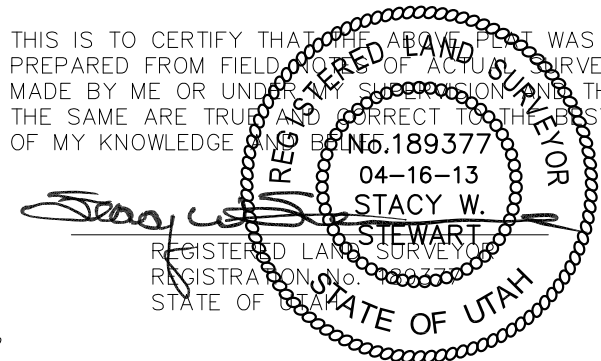


NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Center of Pattern footages are 0' FSL & 1144' FEL.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

NAD 83 (CENTER OF PATTERN)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°01'25.23"	LATITUDE = 40°01'30.68"
LONGITUDE = 110°10'30.62"	LONGITUDE = 110°10'42.04"
NAD 27 (CENTER OF PATTERN)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°01'25.37"	LATITUDE = 40°01'30.82"
LONGITUDE = 110°10'28.07"	LONGITUDE = 110°10'39.50"

TRI STATE LAND SURVEYING & CONSULTING

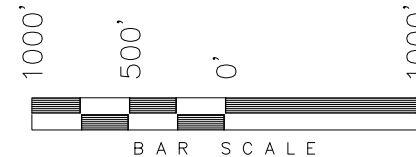
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 01-31-13	SURVEYED BY: S.H.	VERSION:
DATE DRAWN: 04-16-13	DRAWN BY: M.W.	V2
REVISED:	SCALE: 1" = 1000'	

RECEIVED: August 15, 2013

T9S, R15E, S.L.B.&M.**NEWFIELD EXPLORATION COMPANY**

TARGET BOTTOM HOLE, B-24-9-15,
LOCATED AS SHOWN IN THE NE 1/4
NE 1/4 OF SECTION 24, T9S, R15E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.

**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Bottom of Hole footages are 168' FNL & 875' FEL.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST
OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
No. 189377
04-16-13
STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING

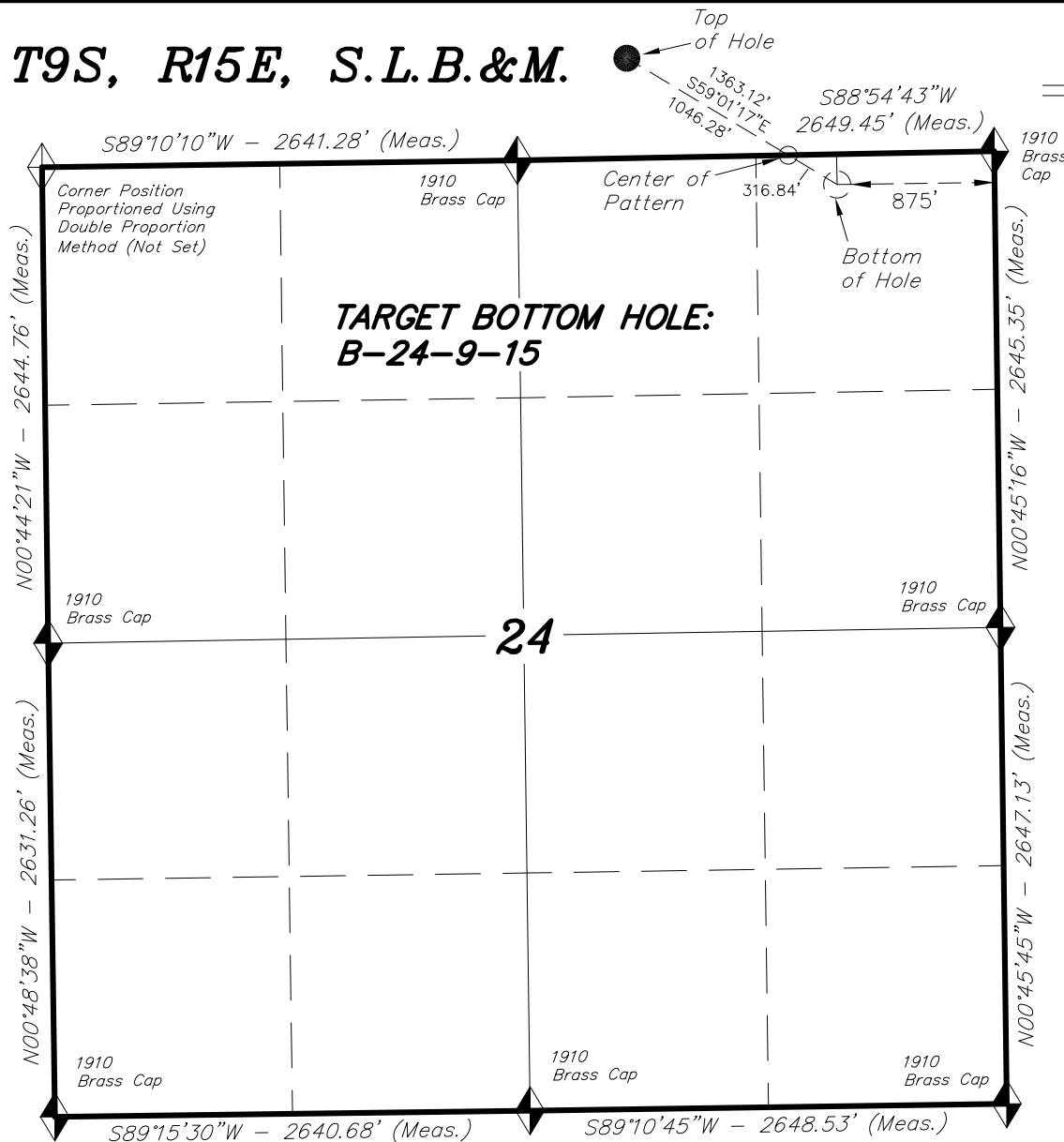
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DATE SURVEYED: 01-31-13	SURVEYED BY: S.H.	VERSION:
DATE DRAWN: 04-16-13	DRAWN BY: M.W.	V2
REVISED:	SCALE: 1" = 1000'	

NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°01'23.58"
LONGITUDE = 110°10'27.16"
NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°01'23.72"
LONGITUDE = 110°10'24.61"

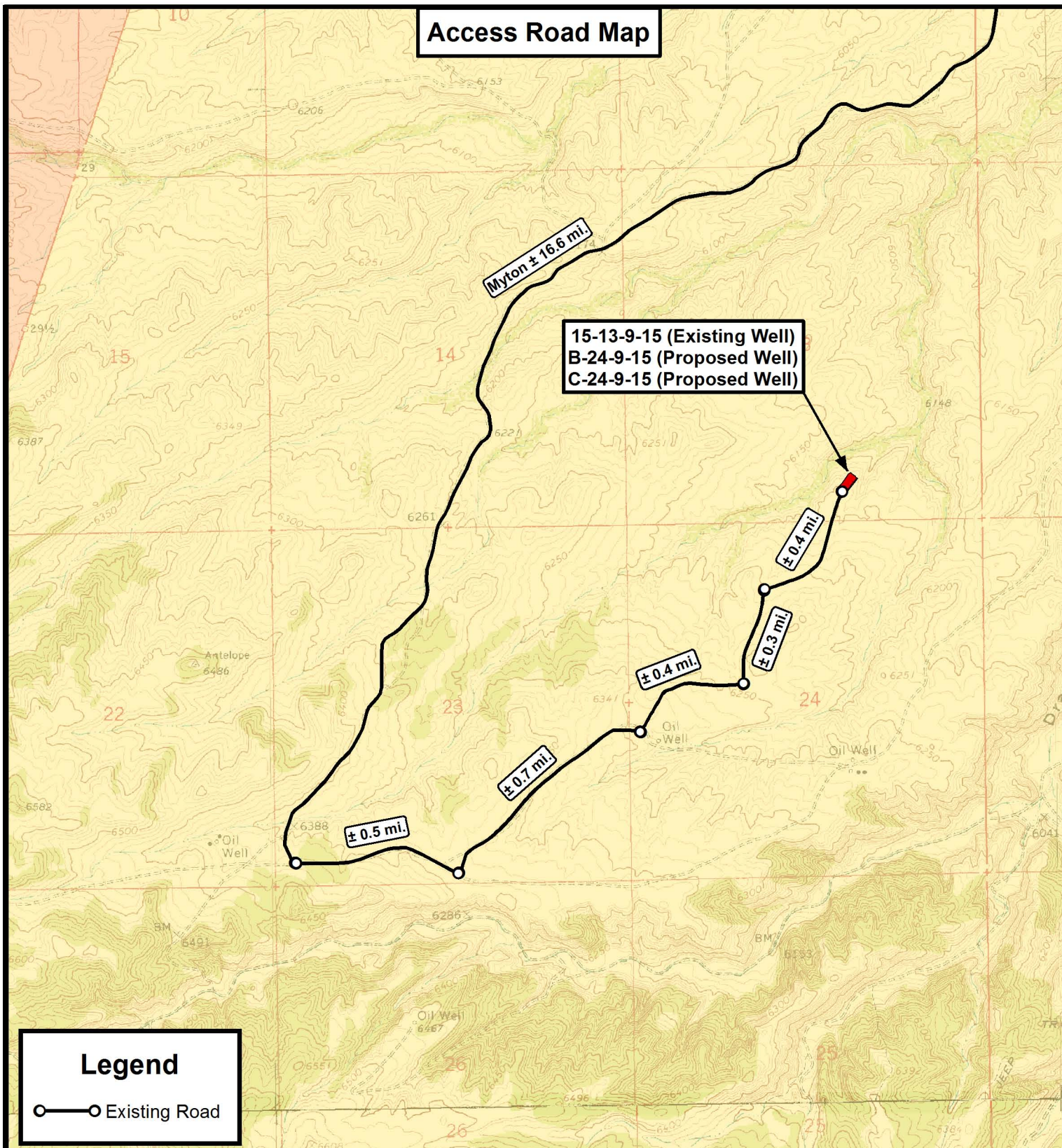
◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on
an N.G.S. OPUS Correction. LOCATION:
LAT. 40°04'09.56" LONG. 110°00'43.28"
(Tristate Aluminum Cap) Elev. 5281.57'



 <p>Tri State Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078</p>	<p>P: (435) 781-2501 F: (435) 781-2518</p>	<p>N</p> 	<p><u>NEWFIELD EXPLORATION COMPANY</u></p> <p>15-13-9-15 (Existing Well) B-24-9-15 (Proposed Well) C-24-9-15 (Proposed Well)</p> <p>SEC. 13, T9S, R15E, S.L.B.&M. Duchesne County, UT.</p>
DRAWN BY: A.P.C.	REVISED:	VERSION:	<p>TOPOGRAPHIC MAP</p>
DATE: 04-16-2013		V2	<p>SHEET</p> <p style="font-size: 2em; color: red;">A</p>
SCALE: 1:100,000			

Access Road Map



Legend

Existing Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

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NEWFIELD EXPLORATION COMPANY

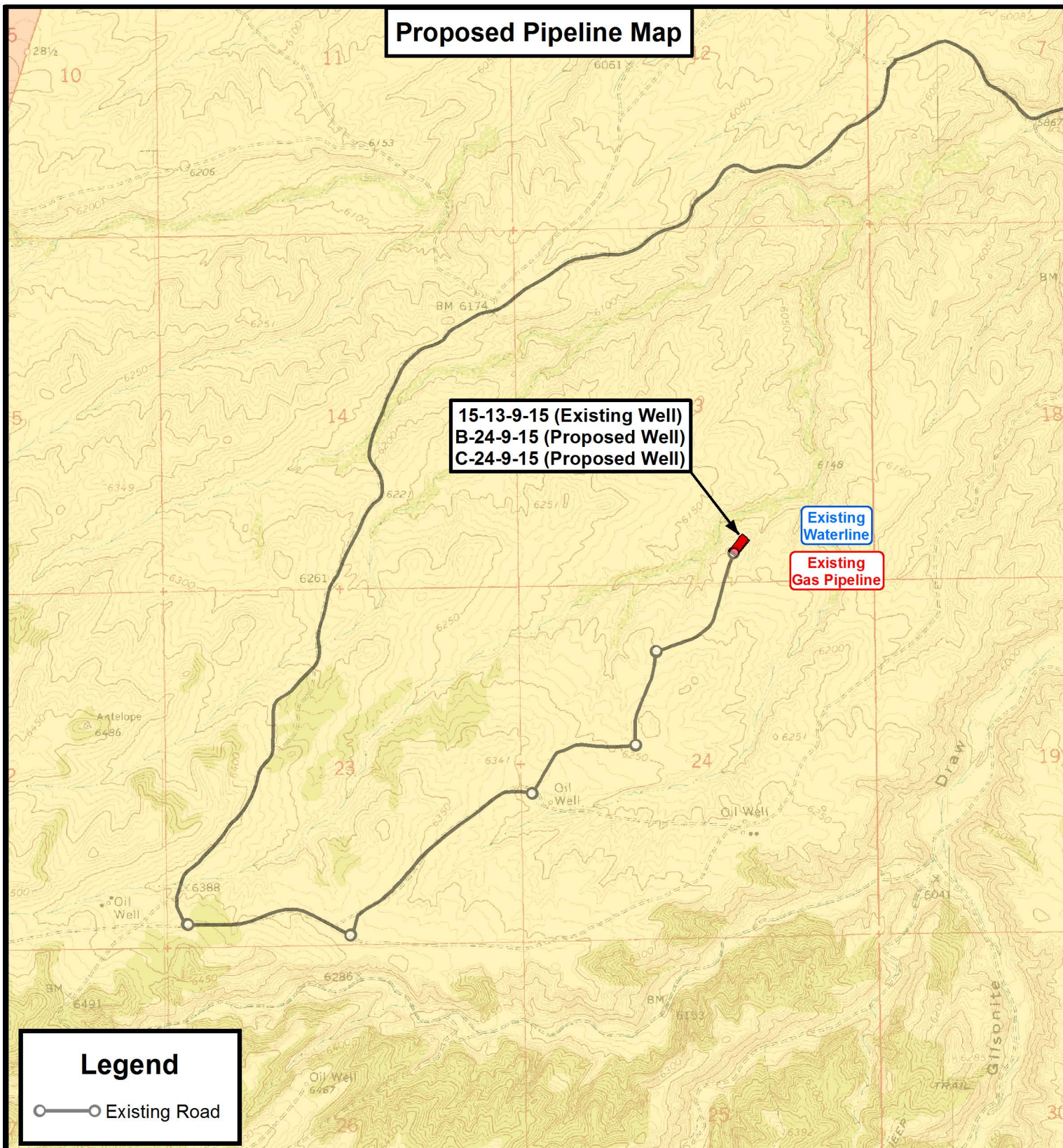
15-13-9-15 (Existing Well)
B-24-9-15 (Proposed Well)
C-24-9-15 (Proposed Well)
SEC. 13, T9S, R15E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	04-16-2013		V2
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET

B

Proposed Pipeline Map

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**NEWFIELD EXPLORATION COMPANY**

15-13-9-15 (Existing Well)
 B-24-9-15 (Proposed Well)
 C-24-9-15 (Proposed Well)
 SEC. 13, T9S, R15E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	04-16-2013		V2
SCALE:	1" = 2,000'		

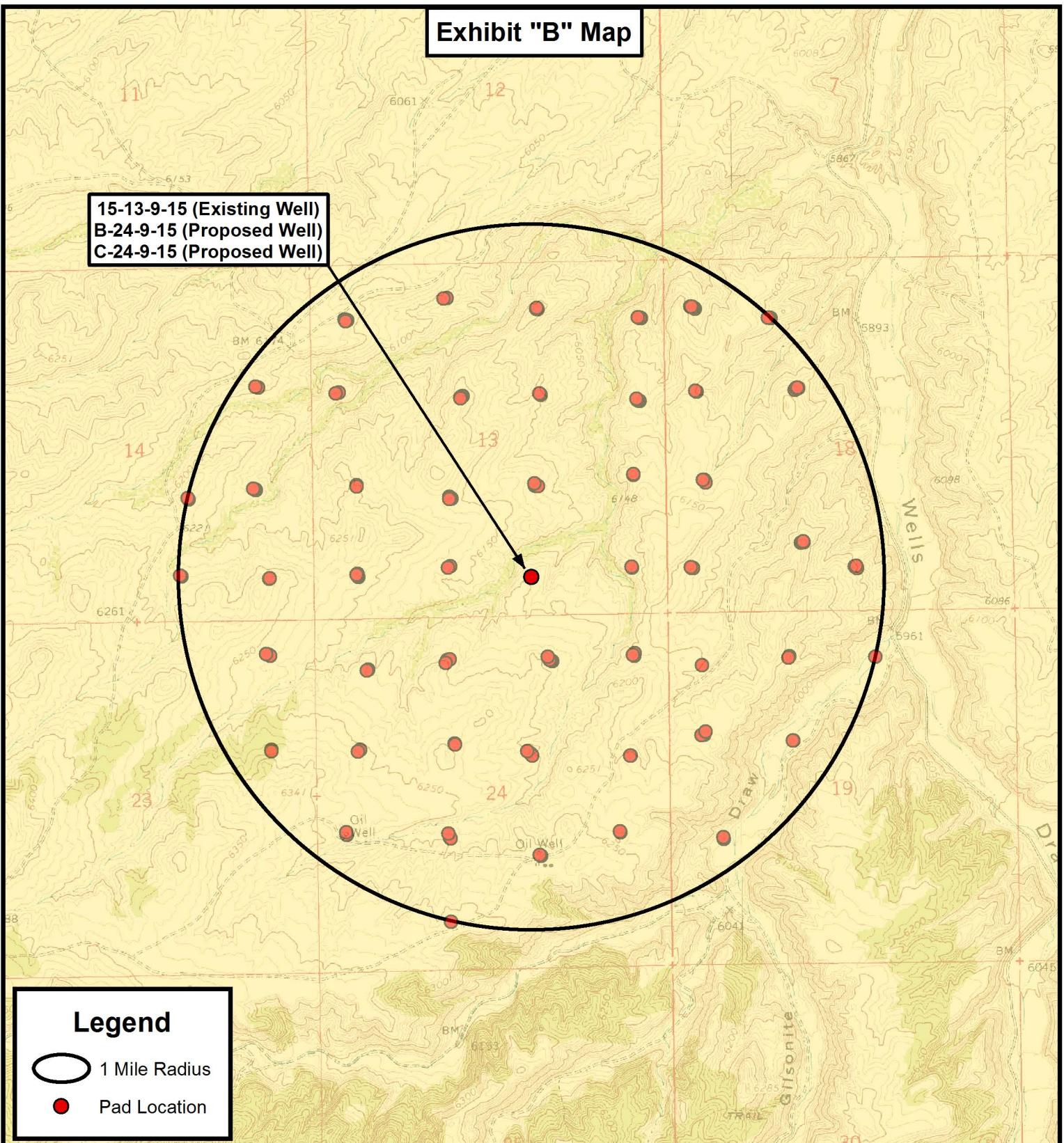
TOPOGRAPHIC MAP

SHEET

C

Exhibit "B" Map

15-13-9-15 (Existing Well)
 B-24-9-15 (Proposed Well)
 C-24-9-15 (Proposed Well)



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15-13-9-15 (Existing Well)
 B-24-9-15 (Proposed Well)
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 SEC. 13, T9S, R15E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	04-16-2013		V2
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET

D

Coordinate Report

Well Number	Feature Type	Latitude (NAD 83) (DMS)	Longitude (NAD 83) (DMS)
15-13-9-15	Surface Hole	40° 01' 30.89" N	110° 10' 42.07" W
B-24-9-15	Surface Hole	40° 01' 30.68" N	110° 10' 42.04" W
C-24-9-15	Surface Hole	40° 01' 30.48" N	110° 10' 42.02" W
B-24-9-15	Center of Pattern	40° 01' 25.23" N	110° 10' 30.62" W
C-24-9-15	Center of Pattern	40° 01' 25.17" N	110° 10' 49.85" W
B-24-9-15	Bottom of Hole	40° 01' 23.58" N	110° 10' 27.16" W
C-24-9-15	Bottom of Hole	40° 01' 23.62" N	110° 10' 52.13" W
Well Number	Feature Type	Latitude (NAD 83) (DD)	Longitude (NAD 83) (DD)
15-13-9-15	Surface Hole	40.025248	110.178353
B-24-9-15	Surface Hole	40.025190	110.178346
C-24-9-15	Surface Hole	40.025132	110.178338
B-24-9-15	Center of Pattern	40.023676	110.175172
C-24-9-15	Center of Pattern	40.023659	110.180513
B-24-9-15	Bottom of Hole	40.023217	110.174211
C-24-9-15	Bottom of Hole	40.023228	110.181148
Well Number	Feature Type	Northing (NAD 83) (UTM Meters)	Longitude (NAD 83) (UTM Meters)
15-13-9-15	Surface Hole	4430882.836	570110.137
B-24-9-15	Surface Hole	4430876.409	570110.810
C-24-9-15	Surface Hole	4430869.982	570111.482
B-24-9-15	Center of Pattern	4430710.844	570383.150
C-24-9-15	Center of Pattern	4430704.720	569927.471
B-24-9-15	Bottom of Hole	4430660.708	570465.620
C-24-9-15	Bottom of Hole	4430656.393	569873.661
Well Number	Feature Type	Latitude (NAD 27) (DMS)	Longitude (NAD 27) (DMS)
15-13-9-15	Surface Hole	40° 01' 31.03" N	110° 10' 39.52" W
B-24-9-15	Surface Hole	40° 01' 30.82" N	110° 10' 39.50" W
C-24-9-15	Surface Hole	40° 01' 30.61" N	110° 10' 39.47" W
B-24-9-15	Center of Pattern	40° 01' 25.37" N	110° 10' 28.07" W
C-24-9-15	Center of Pattern	40° 01' 25.31" N	110° 10' 47.30" W
B-24-9-15	Bottom of Hole	40° 01' 23.72" N	110° 10' 24.61" W
C-24-9-15	Bottom of Hole	40° 01' 23.76" N	110° 10' 49.59" W



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NEWFIELD EXPLORATION COMPANY

15-13-9-15 (Existing Well)

B-24-9-15 (Proposed Well)

C-24-9-15 (Proposed Well)

SEC. 13, T9S, R15E, S.L.B.&M. Duchesne County, UT.

DRAWN BY: A.P.C.

REVISED:

DATE: 04-16-2013

VERSION: V2

COORDINATE REPORT

SHEET

1

RECEIVED: August 15, 2013

Coordinate Report

[illegible]

P: (435) 781-2501
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NEWFIELD EXPLORATION COMPANY

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B-24-9-15 (Proposed Well)

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SEC. 13, T9S, R15E, S.L.B.&M. Duchesne County, UT.

DRAWN BY: A.P.C.

REVISÉ:

DATE: 04-16-2013

VERSION:	V2
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COORDINATE REPORT

SHEET

2

RECEIVED: August 15, 2013



NEWFIELD EXPLORATION

USGS Myton SW (UT)

SECTION 13 T9, R15

B-24-9-15

Wellbore #1

Plan: Design #1

Newfield APD Planning Report

14 March, 2013





Payzone Directional

Newfield APD Planning Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well B-24-9-15
Project:	USGS Myton SW (UT)	TVD Reference:	B-24-9-15 @ 6156.0ft (Original Well Elev)
Site:	SECTION 13 T9, R15	MD Reference:	B-24-9-15 @ 6156.0ft (Original Well Elev)
Well:	B-24-9-15	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	EDM 2003.21 Single User Db

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 13 T9, R15			
Site Position:		Northing:	7,184,428.02 ft	Latitude: 40° 2' 7.883 N
From: Map		Easting:	2,012,548.82 ft	Longitude: 110° 10' 15.117 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence: 0.85 °

Well	B-24-9-15, SHL LAT: 40 01 30.68 LONG: -110 10 42.04			
Well Position	+N/-S	0.0 ft	Northing:	7,180,633.13 ft
	+E/-W	0.0 ft	Easting:	2,010,510.69 ft
Position Uncertainty		0.0 ft	Wellhead Elevation:	6,156.0 ft
			Ground Level:	6,144.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/14/2013	11.13	65.71	52,066

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	300.98

Survey Tool Program	Date	3/14/2013		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	6,093.8	Design #1 (Wellbore #1)	MWD	MWD - Standard

Planned Survey								
MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	
700.0	1.50	300.98	700.0	0.7	-1.1	1.3	1.50	
800.0	3.00	300.98	799.9	2.7	-4.5	5.2	1.50	
900.0	4.50	300.98	899.7	6.1	-10.1	11.8	1.50	
1,000.0	6.00	300.98	999.3	10.8	-17.9	20.9	1.50	
1,100.0	7.50	300.98	1,098.6	16.8	-28.0	32.7	1.50	



Payzone Directional

Newfield APD Planning Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well B-24-9-15
Project:	USGS Myton SW (UT)	TVD Reference:	B-24-9-15 @ 6156.0ft (Original Well Elev)
Site:	SECTION 13 T9, R15	MD Reference:	B-24-9-15 @ 6156.0ft (Original Well Elev)
Well:	B-24-9-15	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	EDM 2003.21 Single User Db

Planned Survey								
MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	
1,200.0	9.00	300.98	1,197.5	24.2	-40.3	47.0	1.50	
1,300.0	10.50	300.98	1,296.1	32.9	-54.8	64.0	1.50	
1,400.0	12.00	300.98	1,394.2	43.0	-71.6	83.5	1.50	
1,500.0	13.50	300.98	1,491.7	54.3	-90.5	105.5	1.50	
1,600.0	15.00	300.98	1,588.6	67.0	-111.6	130.2	1.50	
1,662.1	15.93	300.98	1,648.4	75.5	-125.8	146.7	1.50	
1,700.0	15.93	300.98	1,684.9	80.9	-134.7	157.1	0.00	
1,800.0	15.93	300.98	1,781.1	95.0	-158.2	184.6	0.00	
1,900.0	15.93	300.98	1,877.2	109.1	-181.8	212.0	0.00	
2,000.0	15.93	300.98	1,973.4	123.3	-205.3	239.5	0.00	
2,100.0	15.93	300.98	2,069.5	137.4	-228.8	266.9	0.00	
2,200.0	15.93	300.98	2,165.7	151.5	-252.4	294.4	0.00	
2,300.0	15.93	300.98	2,261.9	165.6	-275.9	321.8	0.00	
2,400.0	15.93	300.98	2,358.0	179.8	-299.4	349.2	0.00	
2,500.0	15.93	300.98	2,454.2	193.9	-323.0	376.7	0.00	
2,600.0	15.93	300.98	2,550.3	208.0	-346.5	404.1	0.00	
2,700.0	15.93	300.98	2,646.5	222.2	-370.0	431.6	0.00	
2,800.0	15.93	300.98	2,742.7	236.3	-393.6	459.0	0.00	
2,900.0	15.93	300.98	2,838.8	250.4	-417.1	486.5	0.00	
3,000.0	15.93	300.98	2,935.0	264.5	-440.6	513.9	0.00	
3,100.0	15.93	300.98	3,031.1	278.7	-464.2	541.4	0.00	
3,200.0	15.93	300.98	3,127.3	292.8	-487.7	568.8	0.00	
3,300.0	15.93	300.98	3,223.5	306.9	-511.2	596.3	0.00	
3,400.0	15.93	300.98	3,319.6	321.1	-534.7	623.7	0.00	
3,500.0	15.93	300.98	3,415.8	335.2	-558.3	651.2	0.00	
3,600.0	15.93	300.98	3,511.9	349.3	-581.8	678.6	0.00	
3,700.0	15.93	300.98	3,608.1	363.4	-605.3	706.1	0.00	
3,800.0	15.93	300.98	3,704.3	377.6	-628.9	733.5	0.00	
3,900.0	15.93	300.98	3,800.4	391.7	-652.4	761.0	0.00	
4,000.0	15.93	300.98	3,896.6	405.8	-675.9	788.4	0.00	
4,100.0	15.93	300.98	3,992.7	420.0	-699.5	815.9	0.00	
4,200.0	15.93	300.98	4,088.9	434.1	-723.0	843.3	0.00	
4,300.0	15.93	300.98	4,185.1	448.2	-746.5	870.8	0.00	
4,400.0	15.93	300.98	4,281.2	462.3	-770.1	898.2	0.00	
4,500.0	15.93	300.98	4,377.4	476.5	-793.6	925.6	0.00	
4,600.0	15.93	300.98	4,473.5	490.6	-817.1	953.1	0.00	
4,700.0	15.93	300.98	4,569.7	504.7	-840.7	980.5	0.00	
4,800.0	15.93	300.98	4,665.9	518.9	-864.2	1,008.0	0.00	
4,900.0	15.93	300.98	4,762.0	533.0	-887.7	1,035.4	0.00	
4,939.5	15.93	300.98	4,800.0	538.6	-897.0	1,046.3	0.00	
5,000.0	15.93	300.98	4,858.2	547.1	-911.3	1,062.9	0.00	
5,100.0	15.93	300.98	4,954.3	561.2	-934.8	1,090.3	0.00	
5,200.0	15.93	300.98	5,050.5	575.4	-958.3	1,117.8	0.00	
5,300.0	15.93	300.98	5,146.6	589.5	-981.9	1,145.2	0.00	



Payzone Directional

Newfield APD Planning Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well B-24-9-15
Project:	USGS Myton SW (UT)	TVD Reference:	B-24-9-15 @ 6156.0ft (Original Well Elev)
Site:	SECTION 13 T9, R15	MD Reference:	B-24-9-15 @ 6156.0ft (Original Well Elev)
Well:	B-24-9-15	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	EDM 2003.21 Single User Db

Planned Survey								
MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	
5,400.0	15.93	300.98	5,242.8	603.6	-1,005.4	1,172.7	0.00	
5,500.0	15.93	300.98	5,339.0	617.7	-1,028.9	1,200.1	0.00	
5,600.0	15.93	300.98	5,435.1	631.9	-1,052.5	1,227.6	0.00	
5,700.0	15.93	300.98	5,531.3	646.0	-1,076.0	1,255.0	0.00	
5,800.0	15.93	300.98	5,627.4	660.1	-1,099.5	1,282.5	0.00	
5,900.0	15.93	300.98	5,723.6	674.3	-1,123.0	1,309.9	0.00	
6,000.0	15.93	300.98	5,819.8	688.4	-1,146.6	1,337.4	0.00	
6,093.8	15.93	300.98	5,910.0	701.6	-1,168.7	1,363.1	0.00	

Checked By: _____ Approved By: _____ Date: _____

API Well Number: 43013524690000

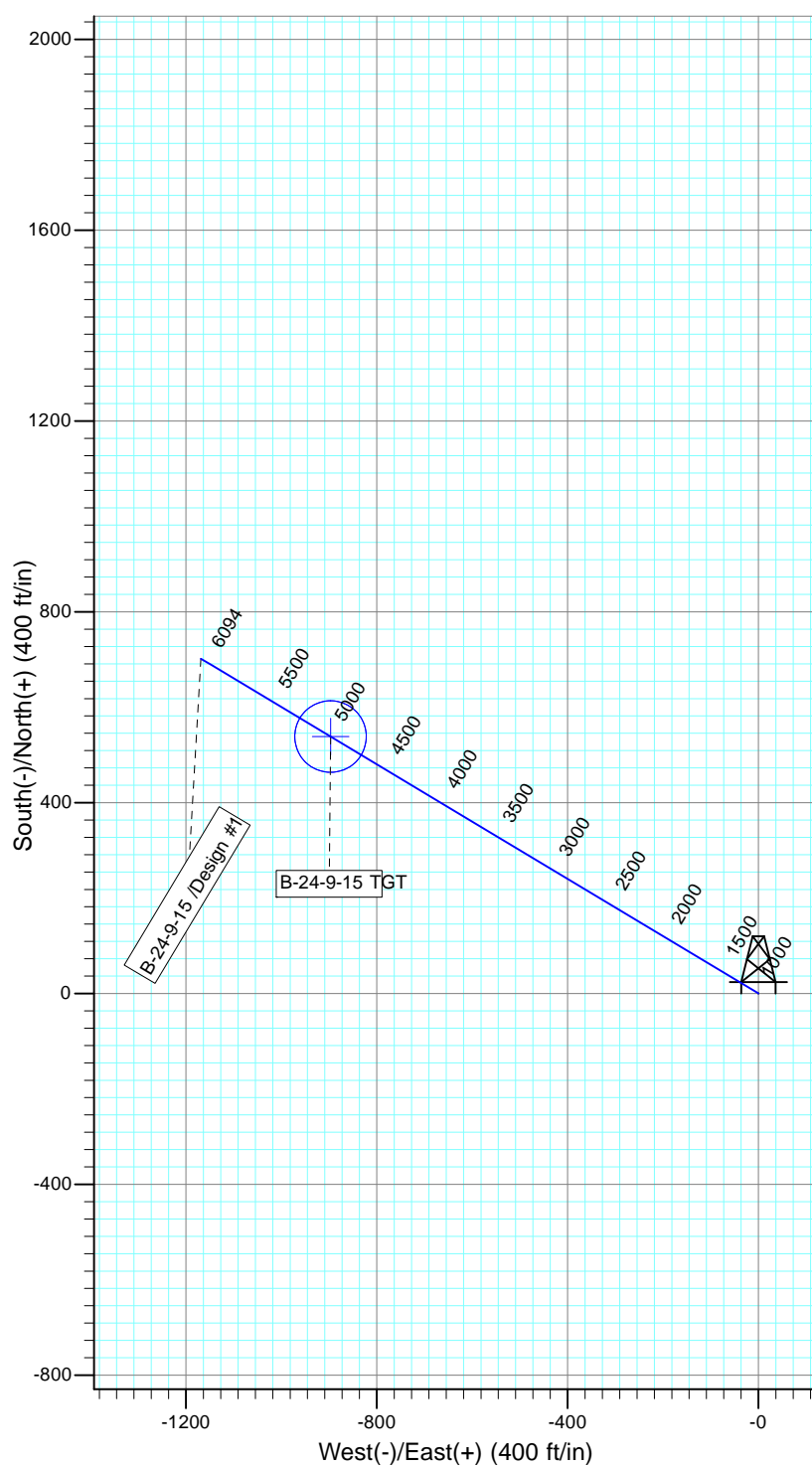
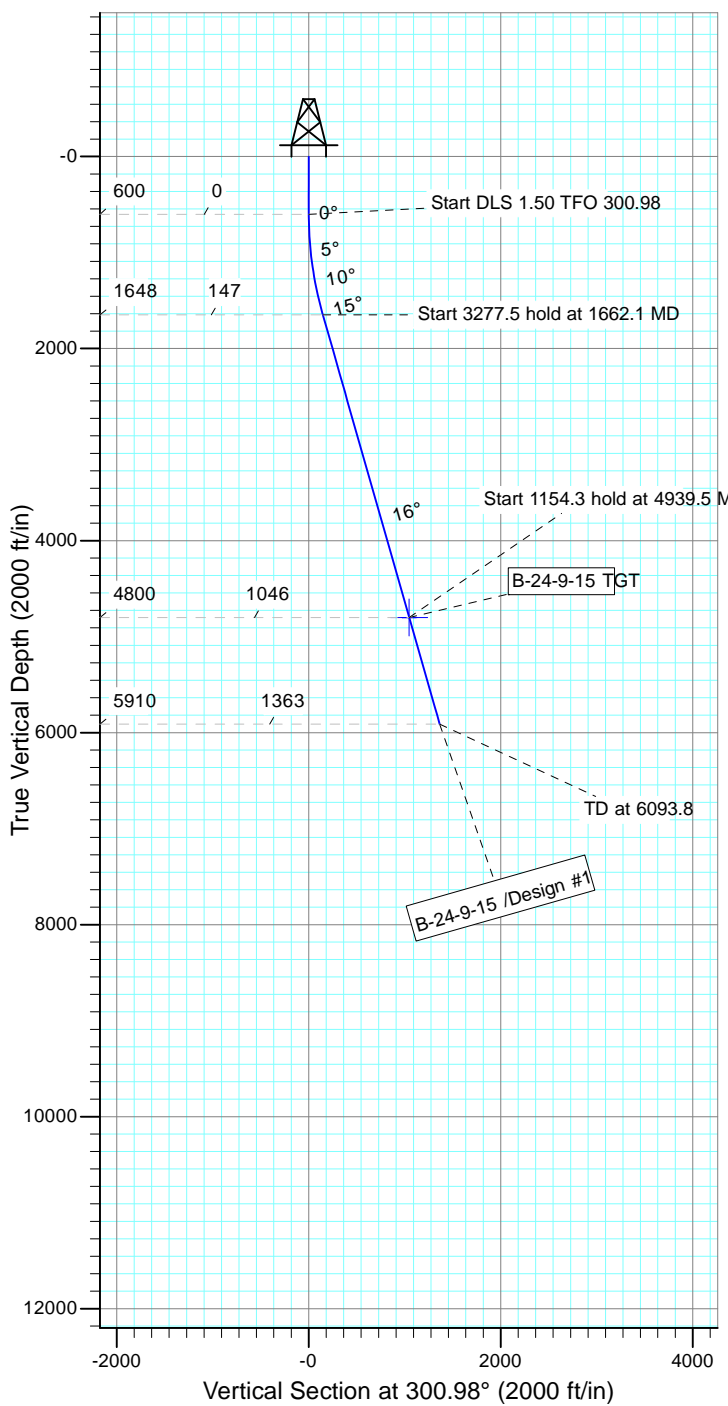


Project: USGS Myton SW (UT)
 Site: SECTION 13 T9, R15
 Well: B-24-9-15
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.13°

Magnetic Field
 Strength: 52066.0snT
 Dip Angle: 65.71°
 Date: 3/14/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
B-24-9-15 TGT	4800.0	538.6	-897.0	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1662.1	15.93	300.98	1648.4	75.5	-125.8	1.50	300.98	146.7	
4	4939.5	15.93	300.98	4800.0	538.6	-897.0	0.00	0.00	1046.3	B-24-9-15 TGT
5	6093.8	15.93	300.98	5910.0	701.6	-1168.7	0.00	0.00	1363.1	



**NEWFIELD PRODUCTION COMPANY
GMBU B-24-9-15
AT SURFACE: SW/SE SECTION 13, T9S R15E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU B-24-9-15 located in the SW 1/4 SE 1/4 Section 13, T9S, R15E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed in a southwesterly direction – 11.0 miles \pm to it's junction with an existing road to the west; proceed in a southwesterly direction – 4.2 miles \pm to it's junction with an existing road to the east; proceed in a Northeasterly direction – 2.3 miles \pm to it's junction with the beginning of the access road to the existing 15-13-9-15 well location.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 15-13-9-15 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District
Water Right : 43-7478

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

Newfield Collector Well
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. **ANCILLARY FACILITIES**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

Fencing Requirements

- a) All pits will be fenced or have panels installed consistent with the following minimum standards:
 1. The wire shall be no more than two (2) inches above the ground. If barbed wire is utilized it will be installed three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
 2. Corner posts shall be centered and/or braced in such a manner to keep tight and upright at all times
 3. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE:**

- a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

- b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP** – Bureau of Land Management.

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report # 13-167 7/10/13, prepared by Montgomery Archaeological Consultants. . Paleontological Resource Survey prepared by, SWCA Environmental Consultants, Report No. UT13-14273-34, July 2013.

Water Disposal

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the GMBU B-24-9-15, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU B-24-9-15, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

Representative

Name: Corie Miller
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

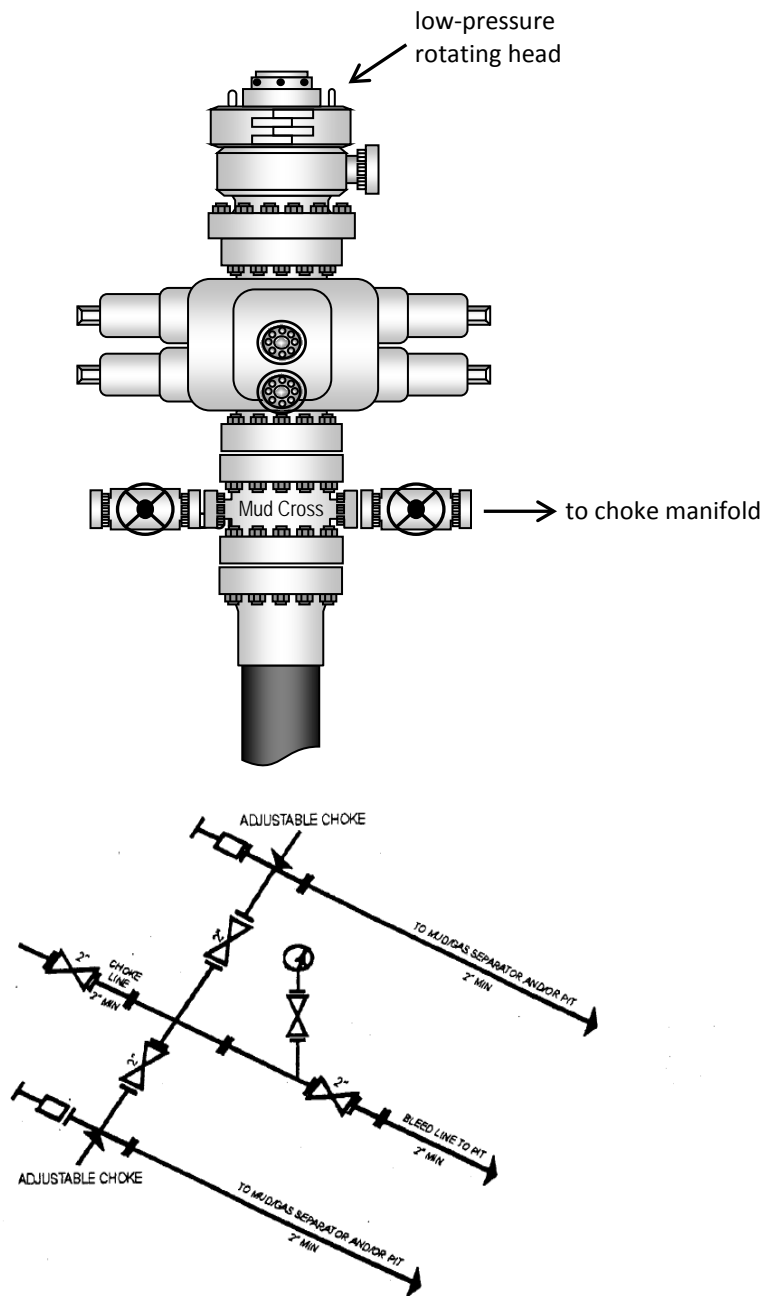
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #B-24-9-15, Section 24, Township 9S, Range 15E: Lease UTU-68548 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

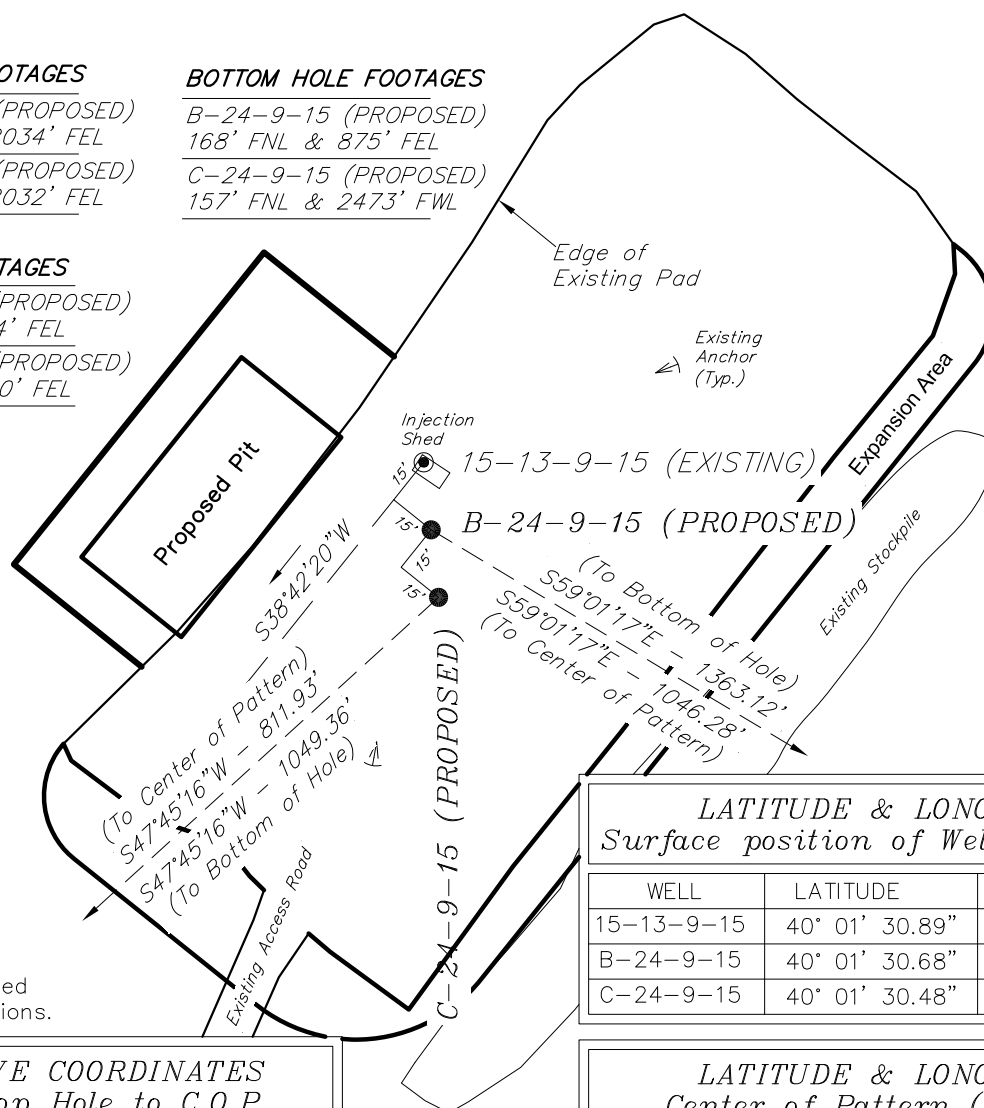
8/13/13
Date

Heather Calder
Production Technician
Newfield Production Company

Typical 2M BOP stack configuration



2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

NEWFIELD EXPLORATION COMPANY**WELL PAD INTERFERENCE PLAT****15-13-9-15 (Existing Well)****B-24-9-15 (Proposed Well)****C-24-9-15 (Proposed Well)***Pad Location: SWSE Section 13, T9S, R15E, S.L.B.&M.***TOP HOLE FOOTAGES**B-24-9-15 (PROPOSED)
555' FSL & 2034' FELC-24-9-15 (PROPOSED)
534' FSL & 2032' FEL**CENTER OF
PATTERN FOOTAGES**B-24-9-15 (PROPOSED)
0' FSL & 1144' FELC-24-9-15 (PROPOSED)
0' FSL & 2640' FEL**BOTTOM HOLE FOOTAGES**B-24-9-15 (PROPOSED)
168' FNL & 875' FELC-24-9-15 (PROPOSED)
157' FNL & 2473' FWL**Note:**Bearings are based
on GPS Observations.**RELATIVE COORDINATES
From Top Hole to C.O.P.**

WELL	NORTH	EAST
B-24-9-15	-539'	897'
C-24-9-15	-546'	-601'

**RELATIVE COORDINATES
From Top Hole to Bottom Hole**

WELL	NORTH	EAST
B-24-9-15	-702'	1,169'
C-24-9-15	-705'	-777'

**LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)**

WELL	LATITUDE	LONGITUDE
15-13-9-15	40° 01' 30.89"	110° 10' 42.07"
B-24-9-15	40° 01' 30.68"	110° 10' 42.04"
C-24-9-15	40° 01' 30.48"	110° 10' 42.02"

**LATITUDE & LONGITUDE
Center of Pattern (NAD 83)**

WELL	LATITUDE	LONGITUDE
B-24-9-15	40° 01' 25.23"	110° 10' 30.62"
C-24-9-15	40° 01' 25.17"	110° 10' 49.85"

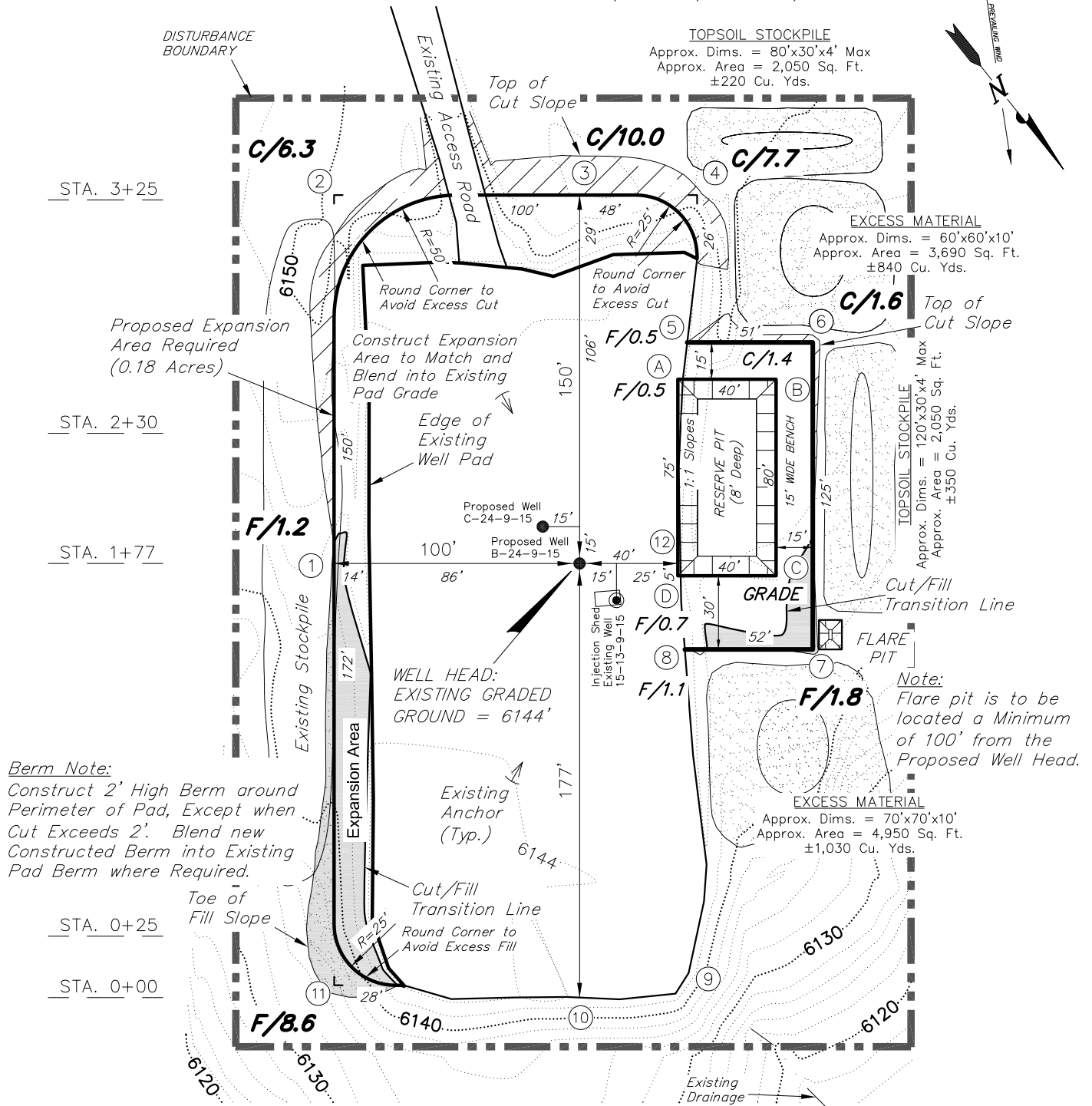
**LATITUDE & LONGITUDE
Bottom Hole Position (NAD 83)**

WELL	LATITUDE	LONGITUDE
B-24-9-15	40° 01' 23.58"	110° 10' 27.16"
C-24-9-15	40° 01' 23.62"	110° 10' 52.13"

SURVEYED BY: S.H. DATE SURVEYED: 01-31-13 VERSION: V2
 DRAWN BY: M.W. DATE DRAWN: 04-16-13
 SCALE: 1" = 60' REVISED:

Tri State (435) 781-2501
Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: August 15, 2013

NEWFIELD EXPLORATION COMPANY**LOCATION LAYOUT****15-13-9-15 (Existing Well)****B-24-9-15 (Proposed Well)****C-24-9-15 (Proposed Well)***Pad Location: SWSE Section 13, T9S, R15E, S.L.B.&M.***NOTE:**

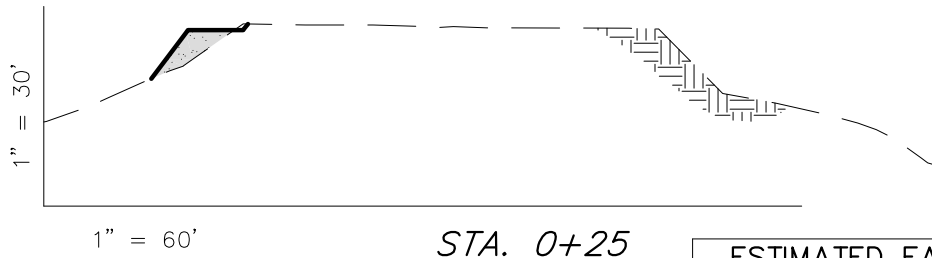
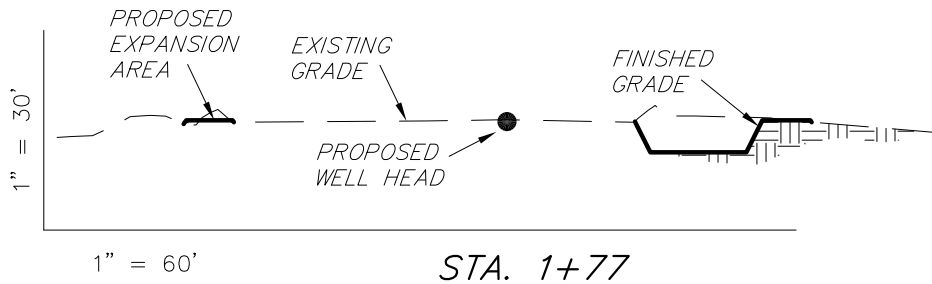
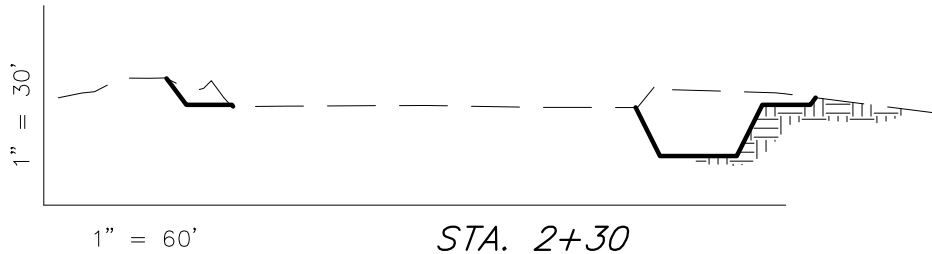
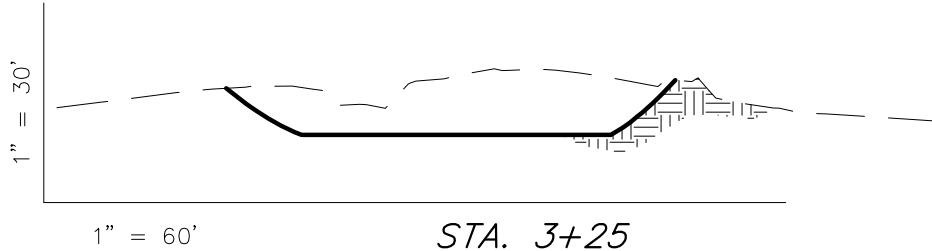
The topsoil & excess material areas are calculated as being mounds containing 2,440 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

Note:

Topsoil to be Stripped From all New Construction Areas and Proposed Stockpile Locations

SURVEYED BY: S.H.	DATE SURVEYED: 01-31-13	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 04-16-13	V2
SCALE: 1" = 60'	REVISED:	

Tri State
Land Surveying, Inc.
(435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD EXPLORATION COMPANY***CROSS SECTIONS******15-13-9-15 (Existing Well)******B-24-9-15 (Proposed Well)******C-24-9-15 (Proposed Well)****Pad Location: SWSE Section 13, T9S, R15E, S.L.B.&M.*

NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 1.5:1

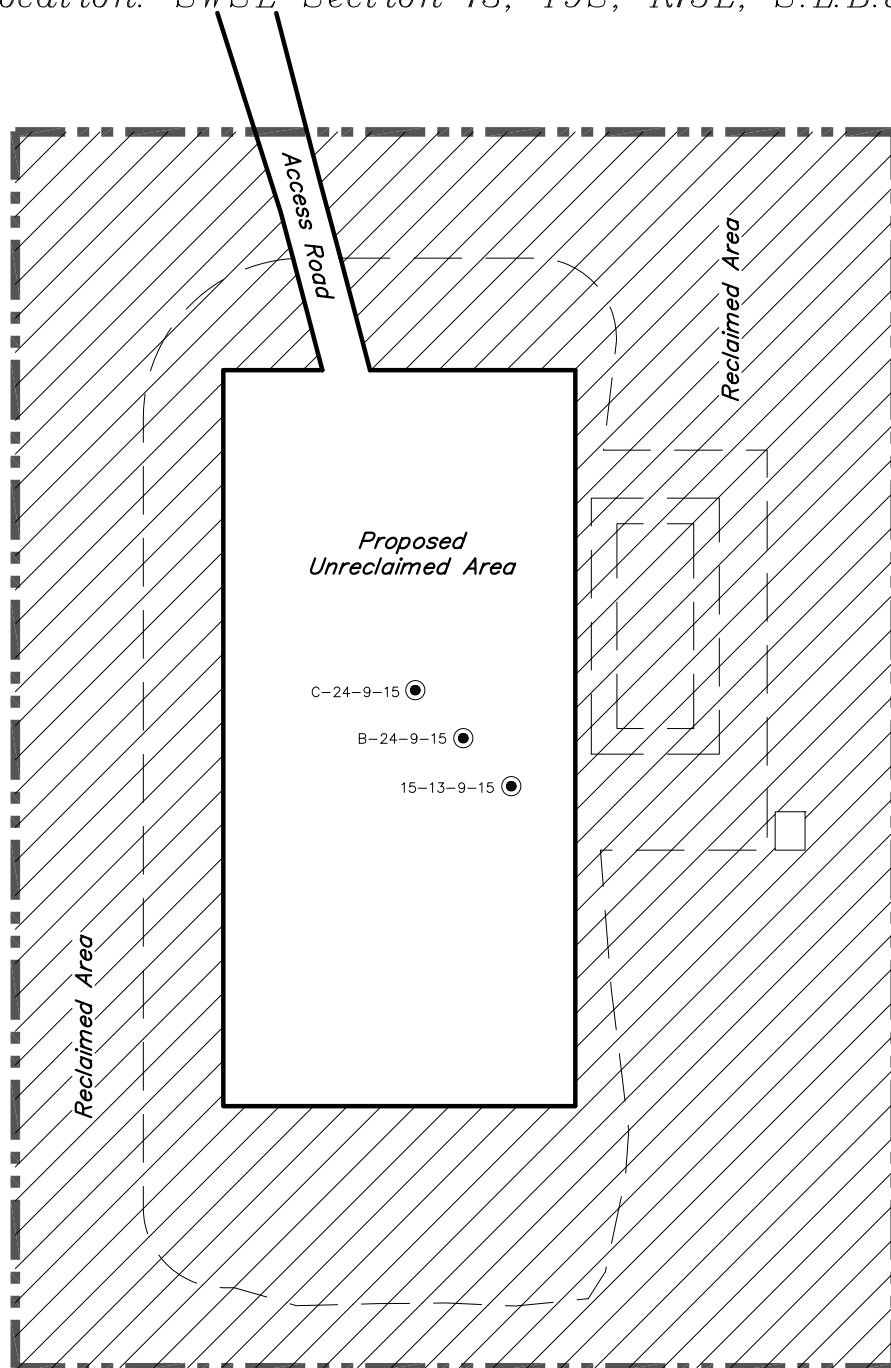
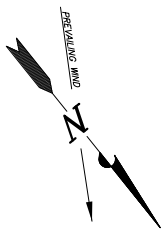
ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,240	230	Topsoil is not included in Pad Cut	1,010
PIT	690	0		690
TOTALS	1,930	230	520	1,700

SURVEYED BY: S.H.	DATE SURVEYED: 01-31-13	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 04-16-13	V2
SCALE: 1" = 60'	REVISED:	

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

RECEIVED: August 15, 2013

NEWFIELD EXPLORATION COMPANY**RECLAMATION LAYOUT****15-13-9-15 (Existing Well)****B-24-9-15 (Proposed Well)****C-24-9-15 (Proposed Well)***Pad Location: SWSE Section 13, T9S, R15E, S.L.B.&M.***Notes:**

1. Reclaimed Area to Include Seeding of Approved Vegetation and Sufficient Storm Water Management System.
2. Actual Equipment Layout and Reclaimed Pad Surface Area May Change due to Production Requirements or Site Conditions.

DISTURBED AREA:

TOTAL DISTURBED AREA = ± 2.44 ACRES
 TOTAL RECLAIMED AREA = ± 1.83 ACRES
 UNRECLAIMED AREA = ± 0.61 ACRES

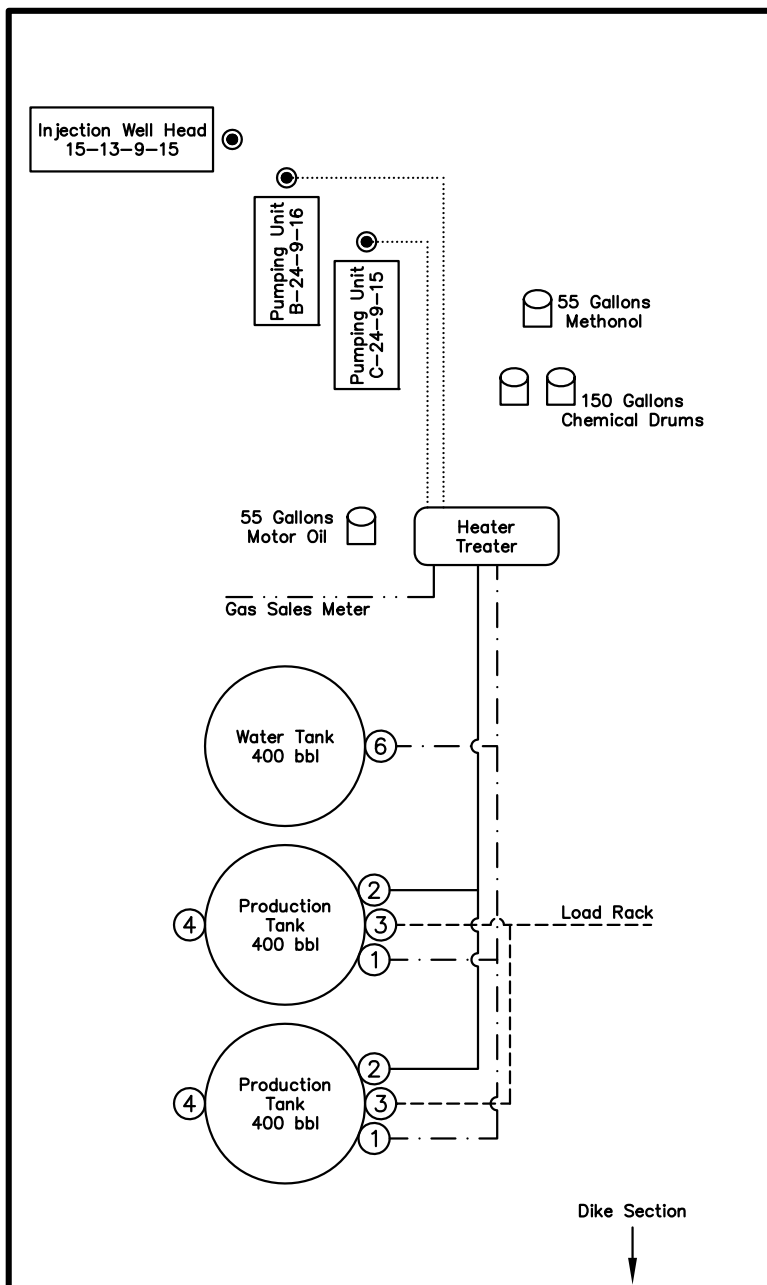
SURVEYED BY: S.H.	DATE SURVEYED: 01-31-13	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 04-16-13	V2
SCALE: 1" = 60'	REVISED:	

Tri State (435) 781-2501
Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: August 15, 2013

NEWFIELD EXPLORATION COMPANY**PROPOSED SITE FACILITY DIAGRAM****15-13-9-15****B-24-9-15 UTU-68548****C-24-9-15 UTU-68548**

*Pad Location: SWSE Section 13, T9S, R15E, S.L.B.&M.
Duchesne County, Utah*

**Legend**

Emulsion Line
 Load Rack - - - - -
 Water Line - . - . -
 Gas Sales -
 Oil Line - - - - -

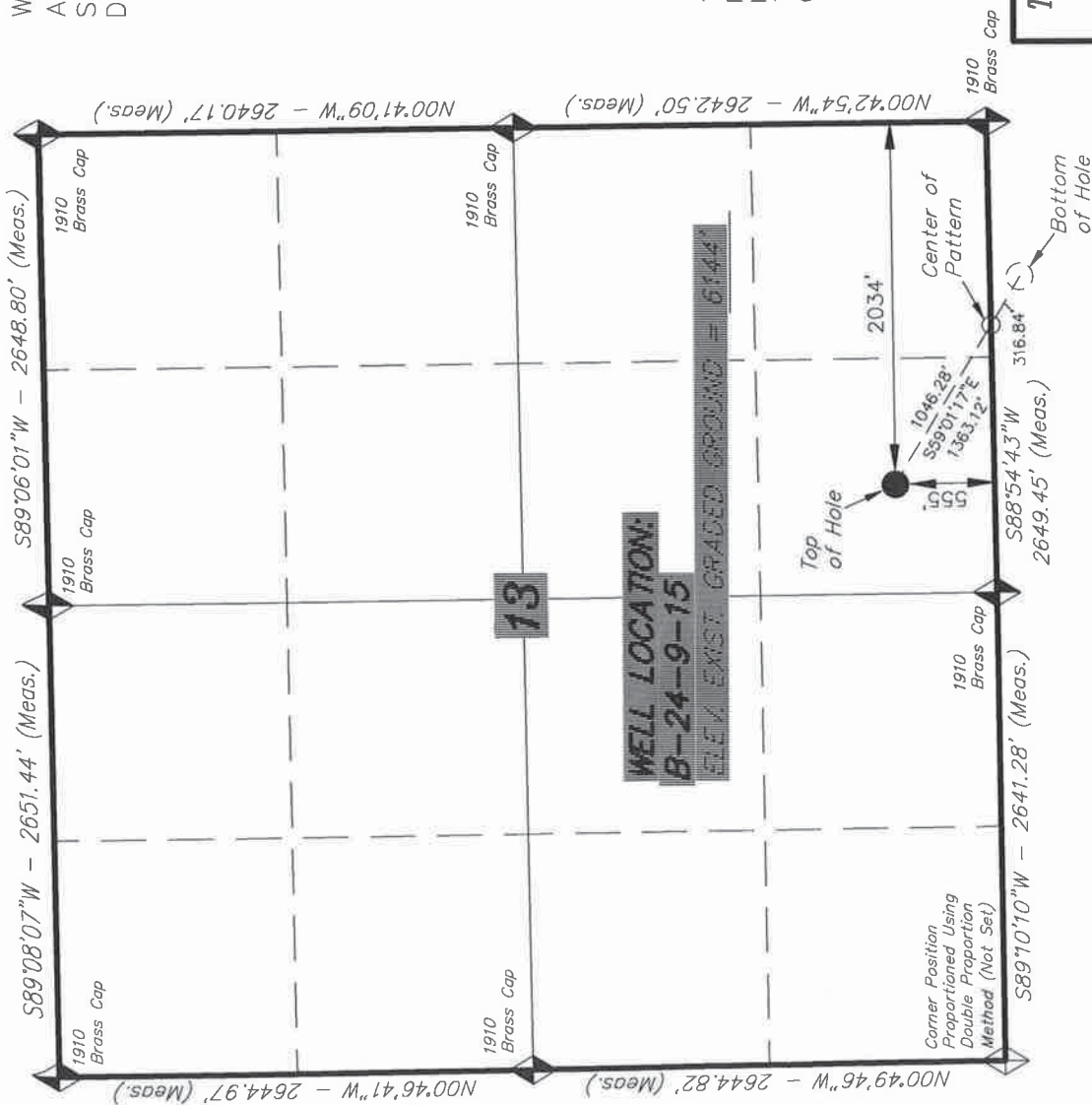
NOT TO SCALE

SURVEYED BY: S.H.	DATE SURVEYED: 01-31-13	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 04-16-13	V2
SCALE: NONE	REVISED:	

Tri State (435) 781-2501
Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: August 15, 2013

WELL LOCATION, B-24-9-15, LOCATED AS SHOWN IN THE SW 1/4 SE 1/4 OF SECTION 13, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



= SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

NAD 83 (CENTER OF PATTERN)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°01'25.23"	LATITUDE = 40°01'30.68"		
LONGITUDE = 110°10'30.62"	LONGITUDE = 110°10'42.04"		
NAD 27 (CENTER OF PATTERN)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°01'25.37"	LATITUDE = 40°01'30.82"		
LONGITUDE = 110°10'28.07"	LONGITUDE = 110°10'39.50"		

THIS IS TO CERTIFY THAT THE ABOVE REPORT WAS
PREPARED FROM FIELDWORK OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION, THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST
OF MY KNOWLEDGE AND BELIEF. 189377

04-16-13
STACY W.

STEWART
REGISTERED LAND SURVEYORS
REGISTRATION NO. 0000370

TRI STATE LAND SURVEYING & CONSULTING

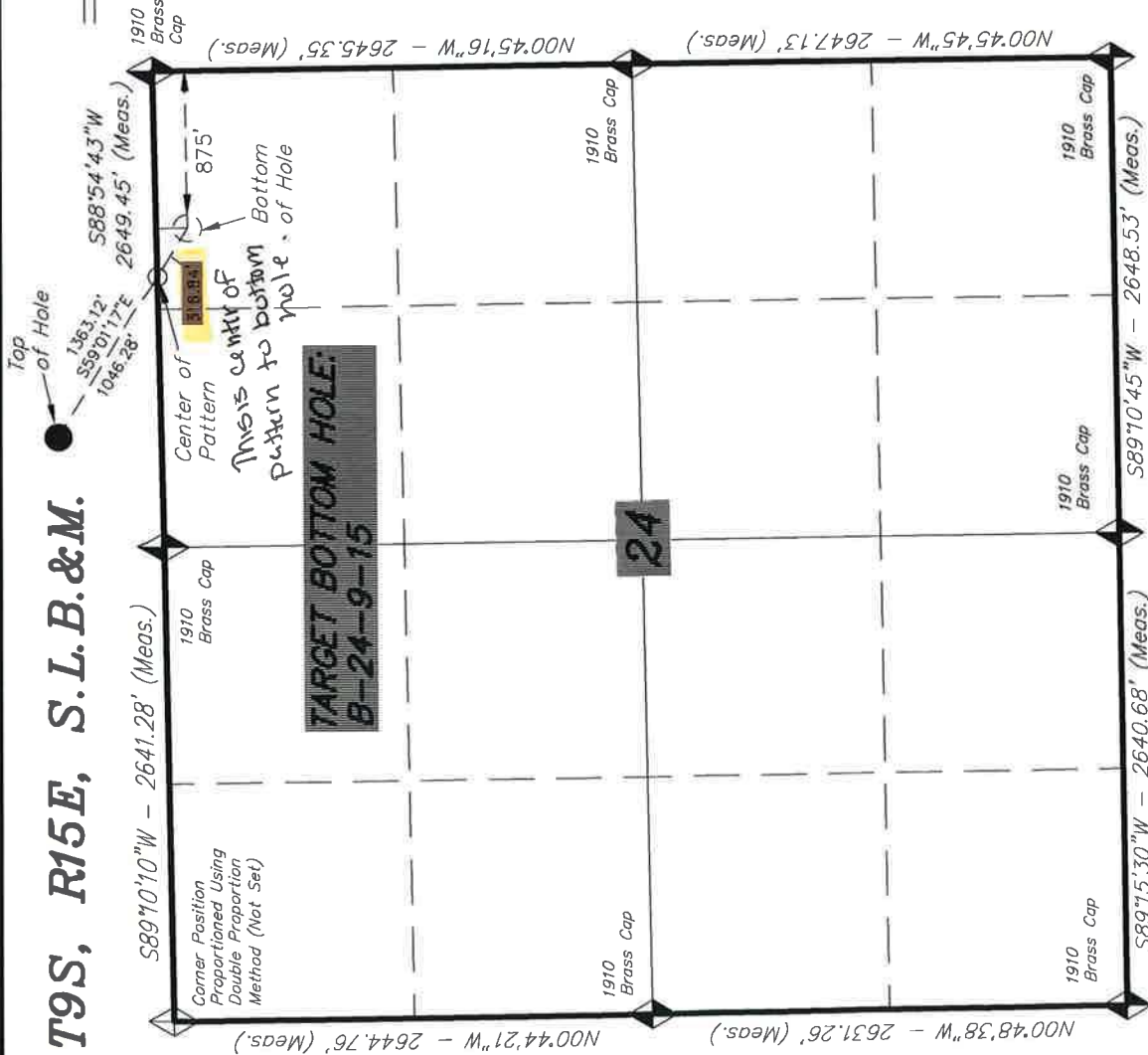
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 01-31-13	SURVEYED BY: S.H.	V2
DATE DRAWN: 04-16-13	DRAWN BY: M.W.	
REVISED:	SCALE: 1" = 1000'	

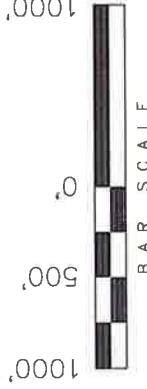
T9S, R15E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY

TARGET BOTTOM HOLE, B-24-9-15, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 24, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



TARGET BOTTOM HOLE:
B-24-9-15



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Bottom of Hole footages are 168' FNL & 875' FEL.

This is planned bottom hole.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
STACY W. STEWART
04-16-13
REG. NO. 189377
STATE OF UTAH

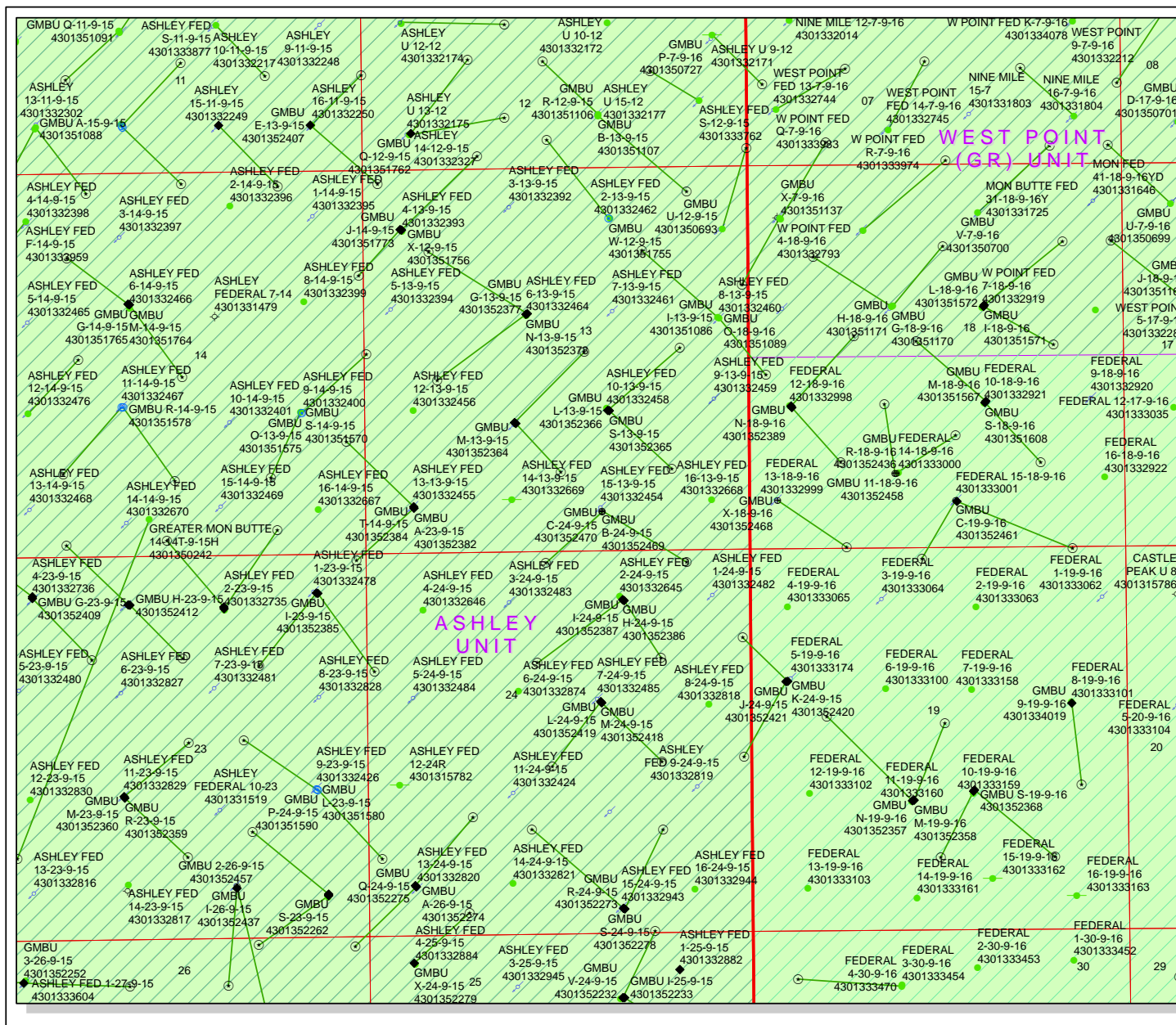
TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 01-31-13	SURVEYED BY: S.H.	VERSION:
DATE DRAWN: 04-16-13	DRAWN BY: M.W.	V2
REVISED:	SCALE: 1" = 1000'	

NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°01'23.58"
LONGITUDE = 110°10'27.16"
NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°01'23.72"
LONGITUDE = 110°10'24.61"

= SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

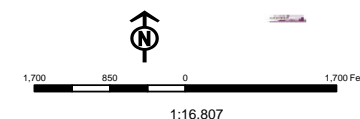
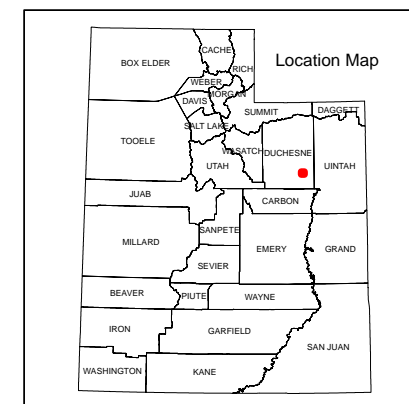
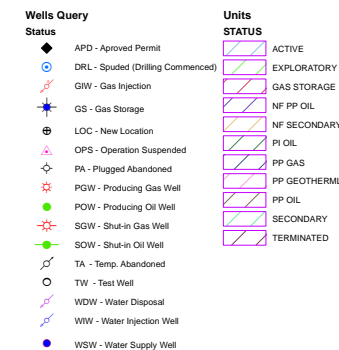


API Number: 4301352469

Well Name: GMBU B-24-9-15

Township: T09.0S Range: R15.0E Section: 13 Meridian: S

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared: 9/18/2013
Map Produced by Diana Mason

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
440 West 200 South, Suite 500
Salt Lake City, UT 84101

IN REPLY REFER TO:

3160

(UT-922)

September 23, 2013

Memorandum

To: Assistant Field Office Manager Minerals,
Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2013 Plan of Development Greater Monument
Butte Unit, Duchesne and Uintah Counties,
Utah.

Pursuant to email between Diana Mason, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2013 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
43-013-52468	GMBU X-18-9-16	Sec 18 T09S R16E 0668 FSL 0385 FWL
	BHL	Sec 18 T09S R16E 0017 FSL 1328 FWL
43-013-52469	GMBU B-24-9-15	Sec 13 T09S R15E 0555 FSL 2034 FEL
	BHL	Sec 24 T09S R15E 0168 FNL 0875 FEL
43-013-52470	GMBU C-24-9-15	Sec 13 T09S R15E 0534 FSL 2032 FEL
	BHL	Sec 24 T09S R15E 0157 FNL 2473 FWL

This office has no objection to permitting the wells at this time.

Michael Coulthard

Digitally signed by Michael Coulthard
DN: cn=Michael Coulthard, o=Bureau of Land Management,
ou=Division of Minerals, email=mcoultha@blm.gov, c=US
Date: 2013.09.23 14:47:44 -0600

bcc: File - Greater Monument Butte Unit

Division of Oil Gas and Mining

Central Files

Agr. Sec. Chron

Fluid Chron

MCoulthard:mc:9-23-13

RECEIVED: September 24, 2013

API Well Number: 43013524690000

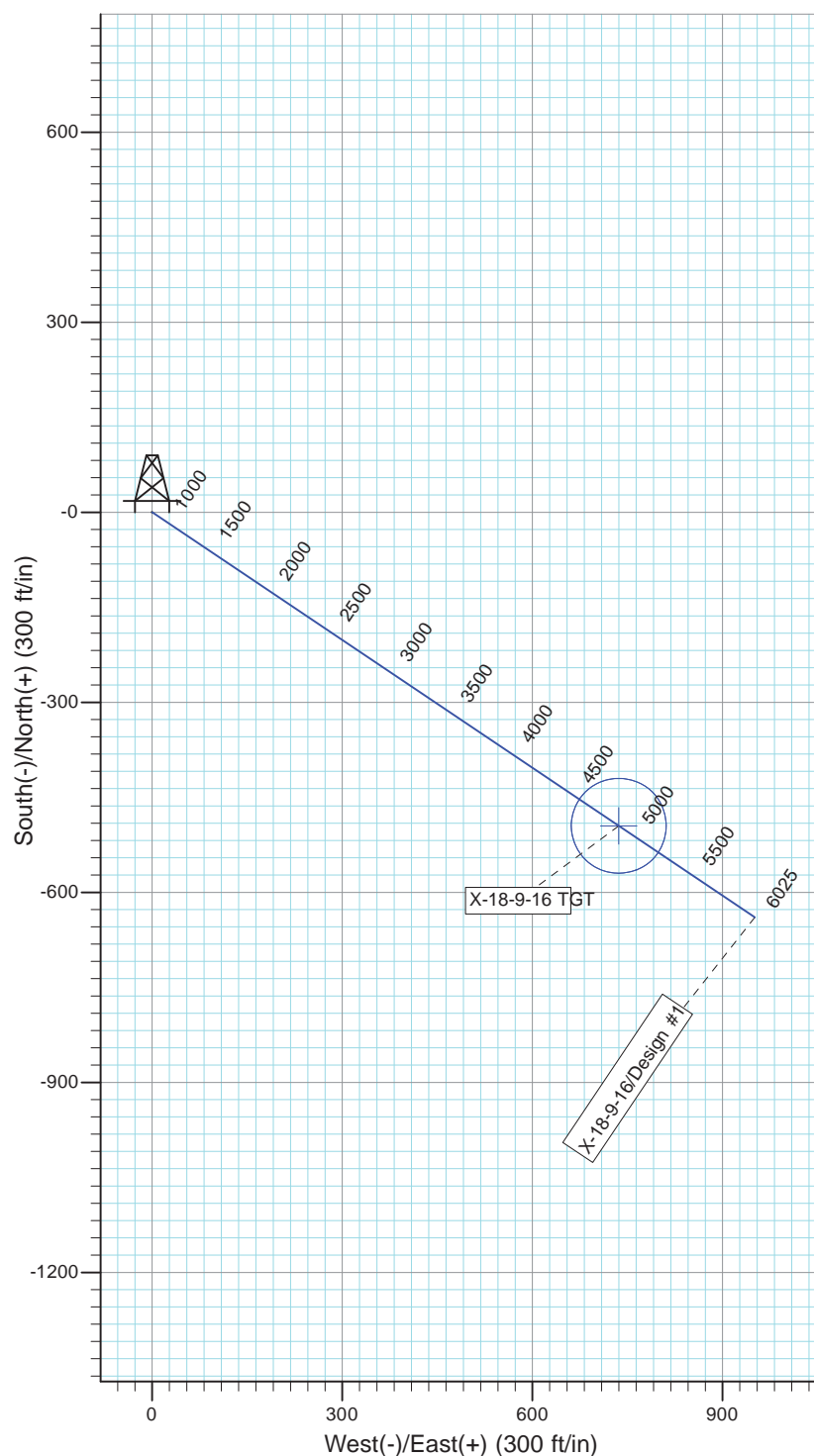
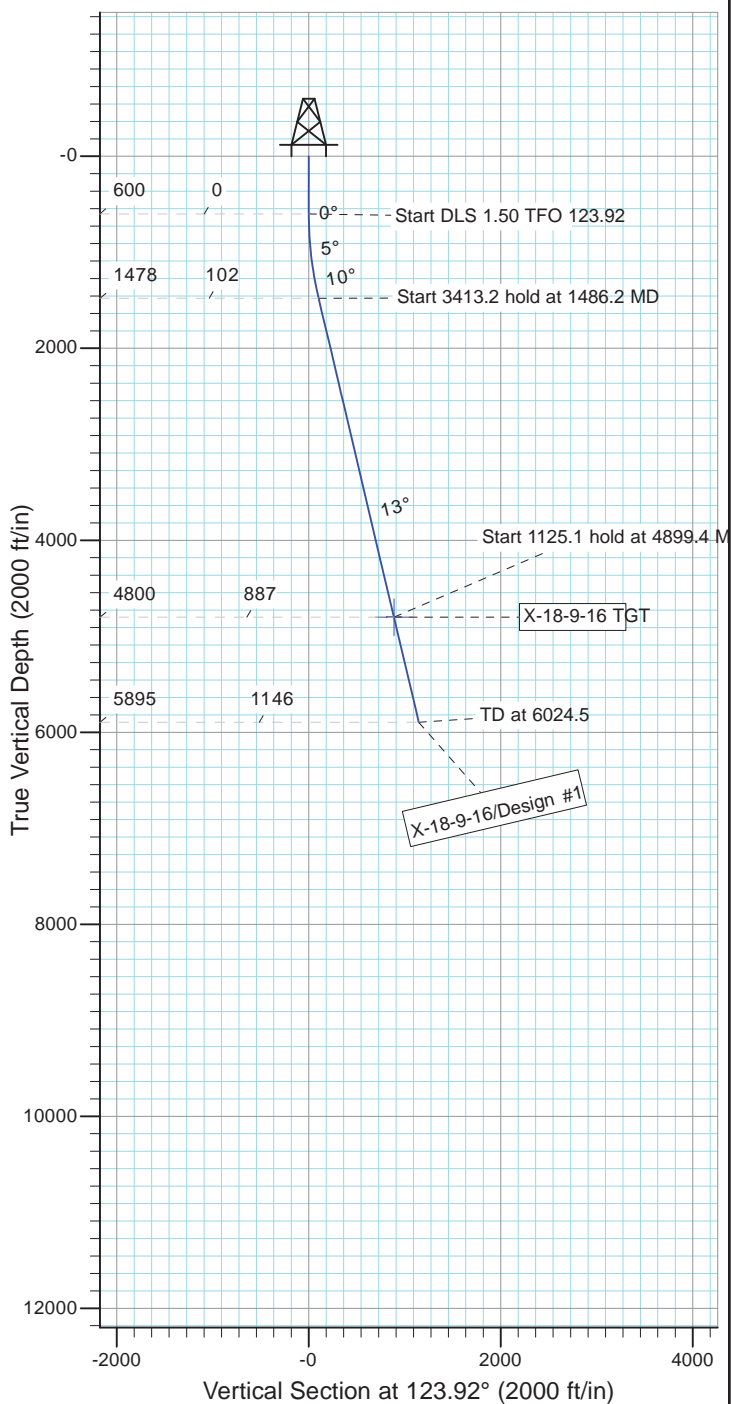


Project: USGS Myton SW (UT)
 Site: SECTION 18 T9, R16
 Well: X-18-9-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.17°

Magnetic Field
 Strength: 52095.8snT
 Dip Angle: 65.72°
 Date: 11/29/2012
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
X-18-9-16 TGT	4800.0	-495.1	736.2	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1486.2	13.29	123.92	1478.3	-57.1	84.9	1.50	123.92	102.3	
4	4899.4	13.29	123.92	4800.0	-495.1	736.2	0.00	0.00	887.1	X-18-9-16 TGT
5	6024.5	13.29	123.92	5895.0	-639.4	950.8	0.00	0.00	1145.8	



Received: August 15, 2013

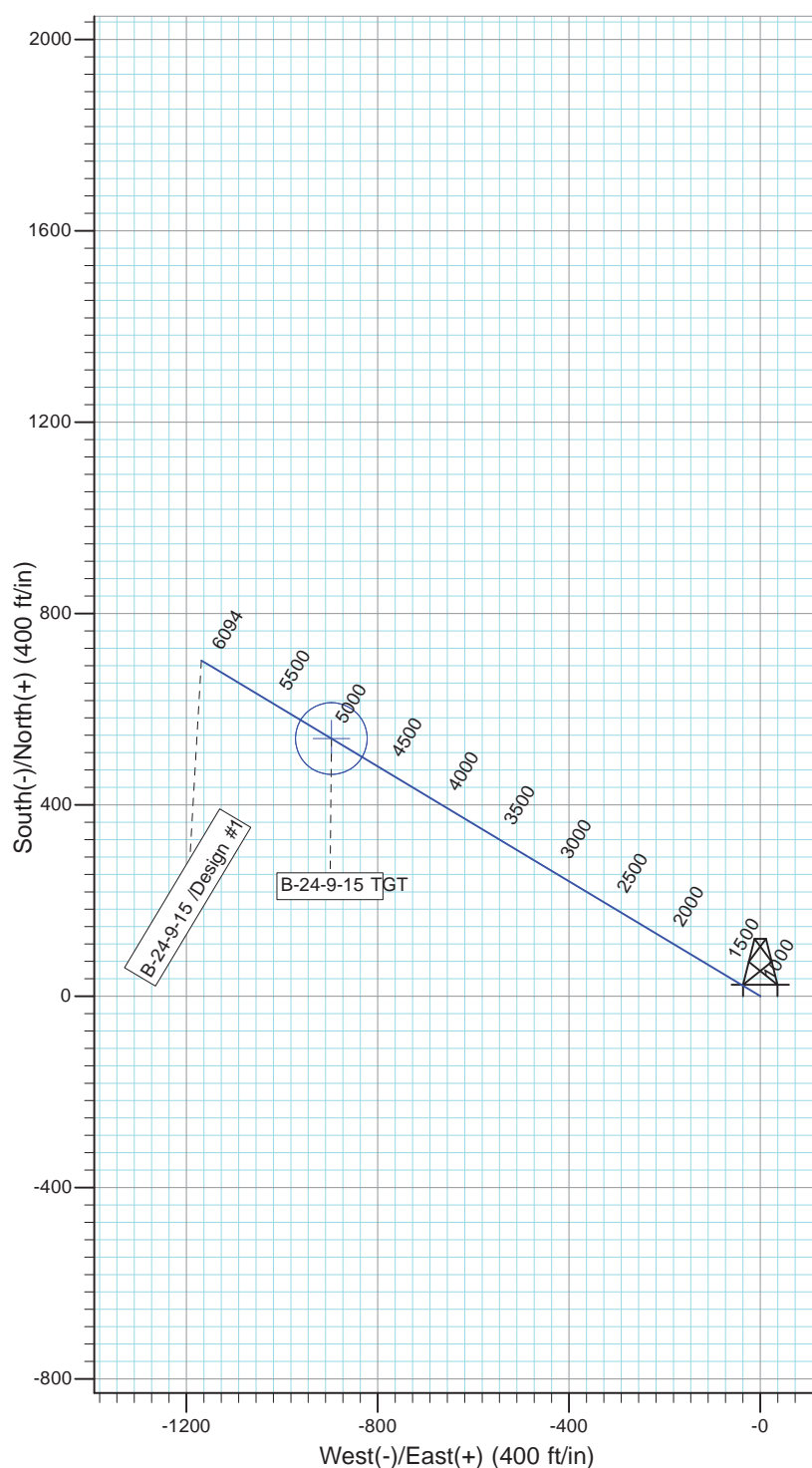
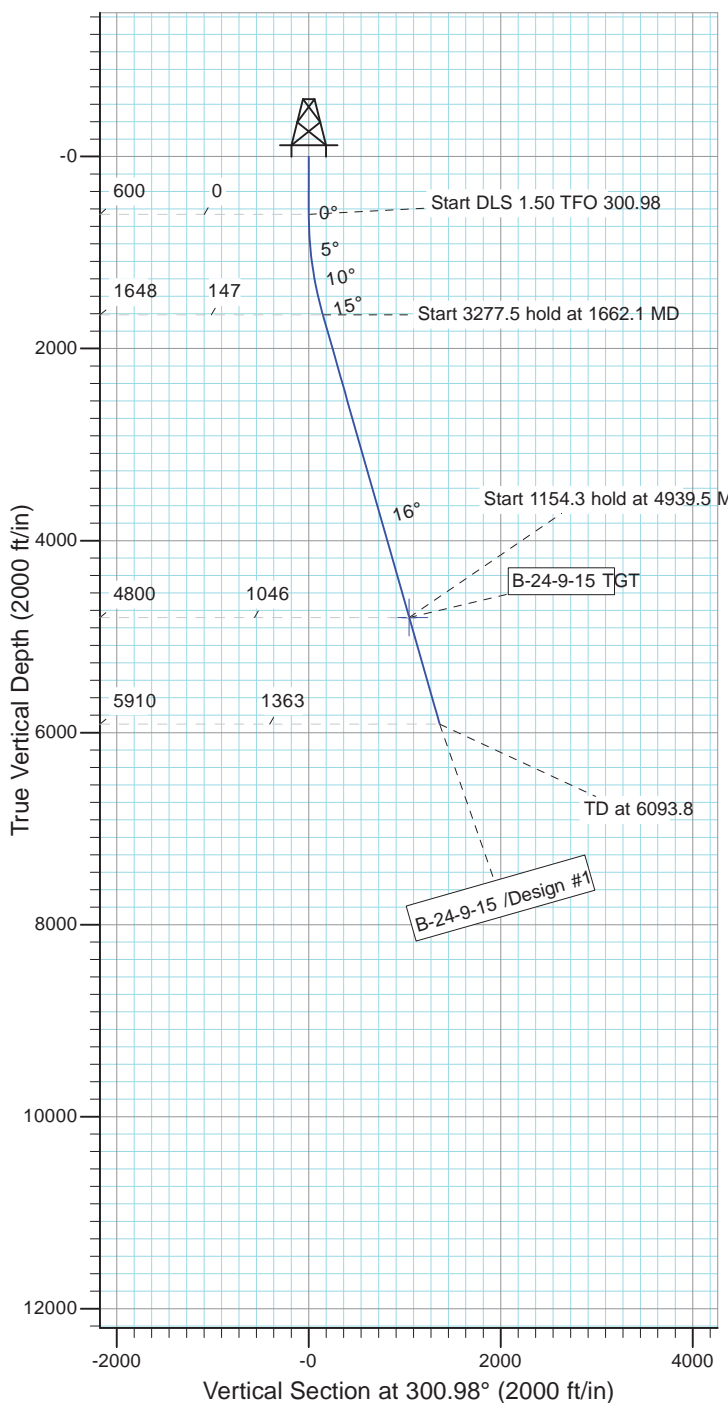


Project: USGS Myton SW (UT)
 Site: SECTION 13 T9, R15
 Well: B-24-9-15
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.13°

Magnetic Field
 Strength: 52066.0snT
 Dip Angle: 65.71°
 Date: 3/14/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
B-24-9-15 TGT	4800.0	538.6	-897.0	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1662.1	15.93	300.98	1648.4	75.5	-125.8	1.50	300.98	146.7	
4	4939.5	15.93	300.98	4800.0	538.6	-897.0	0.00	0.00	1046.3	B-24-9-15 TGT
5	6093.8	15.93	300.98	5910.0	701.6	-1168.7	0.00	0.00	1363.1	



Received: August 15, 2013

API Well Number: 43013524690000

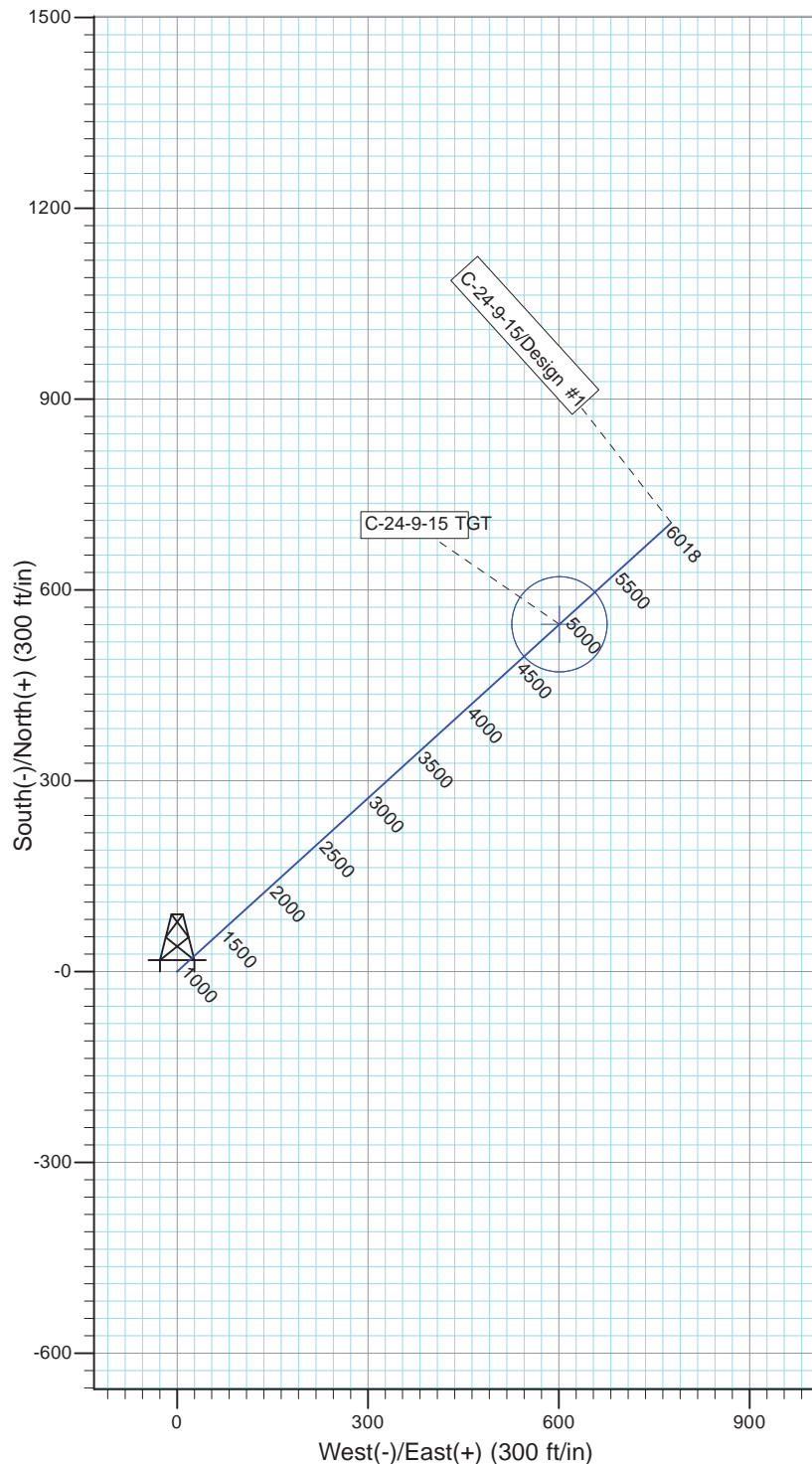
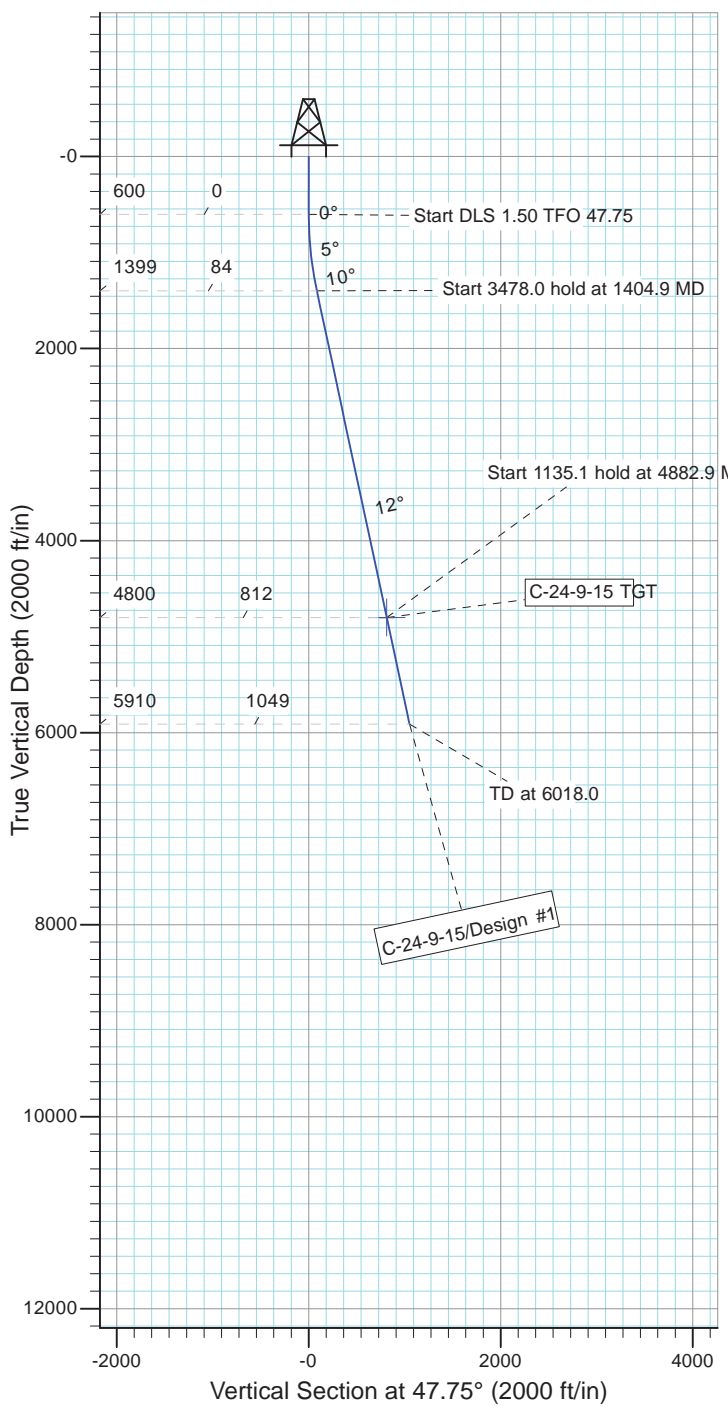


Project: USGS Myton SW (UT)
 Site: SECTION 13 T9, R15
 Well: C-24-9-15
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.13°

Magnetic Field
 Strength: 52065.9snT
 Dip Angle: 65.71°
 Date: 3/14/2013
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
C-24-9-15 TGT	4800.0	545.9	601.0	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1404.9	12.07	47.75	1398.9	56.8	62.5	1.50	47.75	84.5	
4	4882.9	12.07	47.75	4800.0	545.9	601.0	0.00	0.00	811.9	C-24-9-15 TGT
5	6018.0	12.07	47.75	5910.0	705.5	776.8	0.00	0.00	1049.3	



Received: August 15, 2013

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 8/15/2013

API NO. ASSIGNED: 43013524690000

WELL NAME: GMBU B-24-9-15

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4936

CONTACT: Heather Calder

PROPOSED LOCATION: SWSE 13 090S 150E

Permit Tech Review: ☒

SURFACE: 0555 FSL 2034 FEL

Engineering Review: ☐

BOTTOM: 0168 FNL 0875 FEL

Geology Review: ☒

COUNTY: DUCHESNE

LATITUDE: 40.02521

LONGITUDE: -110.17838

UTM SURF EASTINGS: 570108.00

NORTHINGS: 4430879.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-68548

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: FEDERAL - WYB000493☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: 437478☐ RDCC Review:☐ Fee Surface Agreement☐ Intent to Commingle

Commingling Approved

LOCATION AND SITING:

☐ R649-2-3.

Unit: GMBU (GRRV)

☐ R649-3-2. General☐ R649-3-3. Exception☒ Drilling Unit

Board Cause No: Cause 213-11

Effective Date: 11/30/2009

Siting: Suspends General Siting

☒ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason
15 - Directional - dmason
27 - Other - bhill

RECEIVED: September 25, 2013



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: GMBU B-24-9-15
API Well Number: 43013524690000
Lease Number: UTU-68548
Surface Owner: FEDERAL
Approval Date: 9/25/2013

Issued to:

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

AUG 15 2013

APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM Vernal UT

5. Lease Serial No.
UTU68548

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.
GMBU

8. Lease Name and Well No.
GMBU B-24-9-15

9. API Well No.

43-013-52469

10. Field and Pool, or Exploratory
MONUMENT BUTTE

11. Sec., T., R., M., or Blk. and Survey or Area

Sec 13 T9S R15E Mer SLB

12. County or Parish
DUCHESNE

13. State
UT

17. Spacing Unit dedicated to this well
20.00

20. BLM/BIA Bond No. on file
WYB000493

23. Estimated duration
7 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature
(Electronic Submission)

Name (Printed/Typed)
HEATHER CALDER Ph: 435-646-4936

Date
08/15/2013

Title
PRODUCTION TECHNICIAN

Approved by (Signature)

Name (Printed/Typed)

Jerry Kenczka

Date
JAN 06 2014

Title

Office

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED

Additional Operator Remarks (see next page)

Electronic Submission #217234 verified by the BLM Well Information System
For NEWFIELD EXPLORATION, sent to the Vernal

Committed to AFMSS for processing by LESLIE BUHLER on 08/26/2013 () DIV. OF OIL, GAS & MINING

UDOGM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Additional Operator Remarks:

SURFACE HOLE LEASE:UTU68548
BOTTOM HOLE LEASE:UTU66185

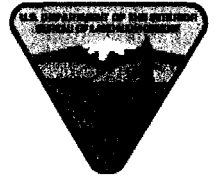


UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company
Well No: GMBU B-24-9-15
API No: 43-013-52469

Location: SWSE SEC 13 T9S R15E
Lease No: UTU68548
Agreement: UTU87538X

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: blm_ut_vn_opreport@blm.gov
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

Minerals and Paleontology

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

Green River District Reclamation Guidelines

The Operator will comply with the requirements of the ***Green River District (GRD) Reclamation Guidelines*** formalized by Green River District Instructional Memo UTG000-2011-003 on March 28, 2011. Documentation of the compliance will be as follows:

- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) that designates the proposed site-specific monitoring and reference sites chosen for the location. A description of the proposed sites shall be included, as well as a map showing the locations of the proposed sites.
- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) 3 growing seasons after reclamation efforts have occurred evaluating the status of the reclaimed areas in order to determine whether the BLM standards set forth in the GRD Reclamation Guidelines have been met (30% or greater basal cover).
- Prior to beginning new surface disturbance, the operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) providing the results of the noxious weed inventory described in the GRD Reclamation Guidelines (2011). If weeds are found the report shall include 1) A GPS location recorded in North American Datum 1983; 2) species; 3) canopy cover or number of plants; 4) and size of infestation (estimate square feet or acres. Information shall be also documented in the reclamation report.

Wildlife

In accordance with the Record of Decision for the Castle Peak and Eightmile Flat Oil and Gas Expansion Project, Newfield Rocky Mountains Inc., the following COA's are required:

- WFM-1 On level or gently sloping ground (5 percent slope or less) Newfield will elevate surface pipelines (4 inches or greater in diameter) a minimum of 6 inches above the ground to allow passage of small animals beneath the pipe. This ground clearance will be achieved by placing the pipeline on blocks at intervals of 150 to 200 feet.
- WFM-4 Newfield will install noise reduction devices on all pump jacks to reduce intermittent noise to 45 dBA at 660 feet from the source.

COA's derived from mitigating measures in the EA:

If construction and drilling is anticipated during any of the following wildlife seasonal spatial restrictions, a BLM biologist or a qualified consulting firm biologist must conduct applicable surveys using an accepted protocol prior to any ground disturbing activities.

- If it is anticipated that construction or drilling will occur during Mountain plover nesting season (May 1 – June 15), a BLM biologist will be notified to determine if surveys are necessary prior to beginning operations. If surveys are deemed necessary, depending on the results permission to proceed may or may not, be granted by the BLM Authorized Officer.
- There is a ferruginous hawk nest within ½ mile of the proposed project area. If construction or drilling is proposed from March 1-August 31, then a nesting survey will be conducted by a qualified biologist according to protocol. If the nest is found to be inactive, then permission to proceed may be granted by the BLM Authorized Officer. If the nest is determined to be active, then the timing restriction will remain in effect.
- The proposed project is within ½ mile of a golden eagle nest(s). If construction or drilling is proposed from January 1-August 31 then a nest survey will be conducted by a qualified biologist. If the nest is found to be inactive, then permission to proceed may be granted by the BLM Authorized Officer. If the nest is determined to be active, then the timing restriction will remain in effect.

For protection of T&E Fish if drawing water from the Green River

- For areas of fresh water collection, an infiltration gallery will be constructed in a Service approved location. An infiltration gallery is basically a pit or trench dug within the floodplain to a depth below the water table. Water is drawn from the pit rather than from the river directly. If this is not possible, limit pumping within the river to off-channel locations that do not connect to the river during high spring flows.
- If water cannot be drawn using the measures above and the pump head will be located in the river channel where larval fish are known to occur, the following measures apply:
 - Avoid pumping from low-flow or no-flow areas as these habitats tend to concentrate larval fish
 - Avoid pumping to the greatest extent possible, during that period of the year when larval fish may be present (see previous bullet); and
 - Avoid pumping, to the greatest extent possible, during the midnight hours (10:00 p.m. to 2:00 a.m.) as larval drift studies indicate that this is a period of greatest daily activity. Dusk is the preferred pumping time, as larval drift abundance is lowest during this time.
 - Screen all pump intakes with 3/32-inch mesh material.
- Report any fish impinged on the intake screen to the FWS office (801.975.3330) and the:
Utah Division of Wildlife Resources
Northeastern Region
152 East 100 North
Vernal, UT 84078
(435) 781-9453

Air Quality

1. All internal combustion equipment will be kept in good working order.
2. Water or other approved dust suppressants will be used at construction sites and along roads, as determined appropriate by the Authorized Officer. Dust suppressant such as magnesium chloride or fresh water may be used, as needed, during the drilling phase.
3. Open burning of garbage or refuse will not occur at well sites or other facilities.
4. Drill rigs will be equipped with Tier II or better diesel engines.
5. Low bleed pneumatics will be installed on separator dump valves and other controllers.
6. During completion, no venting will occur, and flaring will be limited as much as possible. Production equipment and gathering lines will be installed as soon as possible.
7. Telemetry will be installed to remotely monitor and control production.
8. When feasible, two or more rigs (including drilling and completion rigs) will not be run simultaneously within 200 meters of each other. If two or more rigs must be run simultaneously within 200 meters of each other, then effective public health buffer zones out to 200 meters (m) from the nearest emission source will be implemented. Examples of an effective public health protection buffer zone include the demarcation of a public access exclusion zone by signage at intervals of every 250 feet that is visible from a distance of 125 feet during daylight hours, and a physical buffer such as active surveillance to ensure the property is not accessible by the public during drilling operations. Alternatively, the proponent may demonstrate compliance with the 1-hour NO₂ National Ambient Air Quality Standards (NAAQS) with appropriate and accepted near-field modeling. As part of this demonstration, the proponent may propose alternative mitigation that could include but is not limited to natural gas-fired drill rigs, installation of NO_x controls, time/use restrictions, and/or drill rig spacing.
9. All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horse power must not emit more than 2 grams of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower-hour.
10. All new and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 grams of NO_x per horsepower-hour.
11. Green completions will be used for all well completion activities where technically feasible.
12. Employ enhanced VOC emission controls with 95% control efficiency on production equipment having a potential to emit greater than 5 tons per year.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

Newfield Production Co. shall adhere to all referenced requirements in the SOP (version: "Greater Monument Butte Green River Development Program", Feb 16, 2012). The operator shall also comply with applicable laws and regulations; with lease terms Onshore Oil and Gas Orders, NTL's; and with other orders and instructions of the authorized officer.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in CD (compact disc) format to the Vernal BLM Field Office. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

- The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
-
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover

equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-68548
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: GMBU B-24-9-15
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013524690000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0555 FSL 2034 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 13 Township: 09.0S Range: 15.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 5/19/2014			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 5/19/14 drill and set 6' of 14" conductor. Drill f/6' to 330'KB of 12 1/4" hole. P/U and run 7 joints of 8 5/8" casing set depth 319' KB. On 5/20/14 Cement w/Halliburton w/155 sx of 15.8 # 1.19 yield G Neat cement returned 6 bbls back to pit and bumped plug to 600 psi.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 May 28, 2014

NAME (PLEASE PRINT) Cherei Neilson	PHONE NUMBER 435 646-4883	TITLE Drilling Technician
SIGNATURE N/A		DATE 5/28/2014

NEWFIELD**Casing****Conductor**

Legal Well Name GMBU B-24-9-15				Wellbore Name Original Hole					
API/UWI 43013524690000		Surface Legal Location SWSE 555 FSL 2034 FEL Sec 13 T9S R15E		Field Name GMBU CTB3		Well Type Development		Well Configuration Type Slant	
Well RC 500366601		County Duchesne		State/Province Utah		Spud Date 5/25/2014 23:00		Final Rig Release Date	

Wellbore						
Wellbore Name Original Hole				Kick Off Depth (ftKB)		
Section Des		Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor		14	10	16	5/16/2014	5/16/2014

Wellhead			
Type	Install Date	Service	Comment

Wellhead Components				
Des	Make	Model	SN	WP Top (psi)

Casing							
Casing Description Conductor		Set Depth (ftKB) 16		Run Date 5/16/2014		Set Tension (kips)	
Centralizers				Scratchers			

Casing Components												
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft-lb)	Class	Max OD (in)
Conductor	14	13.500	36.75	H-40		1	6.00	10.0	16.0			

Jewelry Details								
External Casing Packer								
Type	Setting Requirement			Release Requirements		Inflation Method	Vol Inflation (gal)	Equiv Hole Sz (in)
Inflation Fluid Type	Infl Fl Dens (lb/gal)	P AV Set (psi)	AV Acting Pressure (psi)	P ICV Set (psi)	P ICV Act (psi)	ECP Load (1000lbf)	Seal Load (1000lbf)	

Slotted Liner							
% Open Area (%)	Perforation Min Dimension (in)	Perforation Max Dimension (in)	Axial Perf Spacing (ft)	Perf Rows	Blank Top Length (ft)	Blank Bottom Length (ft)	
Slot Description	Slot Pattern			Slot Length (in)	Slot Width (in)	Slot Frequency	Screen Gauge (ga)

Liner Hanger				
Retrievable?	Elastomer Type	Element Center Depth (ft)	Polish Bore Size (in)	Polish Bore Length (ft)
Slip Description			Set Mechanics	

Setting Procedure				
Unsetting Procedure				

NEWFIELD

Casing

Surface

Legal Well Name GMBU B-24-9-15		Wellbore Name Original Hole	
API/UWI 43013524690000	Surface Legal Location SWSE 555 FSL 2034 FEL Sec 13 T9S R15E	Field Name GMBU CTB3	Well Type Development
Well RC 500366601	County Duchesne	State/Province Utah	Spud Date 5/25/2014 23:00
		Final Rig Release Date	

Wellbore					
Wellbore Name Original Hole				Kick Off Depth (ftKB)	
Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	14	10	16	5/16/2014	5/16/2014
Vertical	12 1/4	16	330	5/16/2014	5/16/2014

Wellhead				
Type	Install Date	Service	Comment	

Wellhead Components				
Des	Make	Model	SN	WP Top (psi)

Casing				
Casing Description Surface	Set Depth (ftKB) 319	Run Date 5/16/2014	Set Tension (kips)	
Centralizers 3	Scratchers			

Casing Components												
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft-lb)	Class	Max OD (in)
Wellhead	8 5/8	8.097	24.00	J-55	ST&C	1	2.00	10.0	12.0			
Cut Off	8 5/8	8.097	24.00	J-55	ST&C	1	42.01	12.0	54.0			
Casing Joints	8 5/8	8.097	24.00	J-55	ST&C	5	218.89	54.0	272.9			
Float Collar	8 5/8	8.097	24.00	J-55	ST&C	1	1.00	272.9	273.9			
Shoe Joint	8 5/8	8.097	24.00	J-55	ST&C	1	43.90	273.9	317.8			
Guide Shoe	8 5/8	8.097	24.00	J-55	ST&C	1	1.50	317.8	319.3			

Jewelry Details									
External Casing Packer									
Type	Setting Requirement	Release Requirements			Inflation Method	Vol Inflation (gal)	Equiv Hole Sz (in)		
Inflation Fluid Type	Infl Fl Dens (lb/gal)	P AV Set (psi)	AV Acting Pressure (psi)	P ICV Set (psi)	P ICV Act (psi)	ECP Load (1000lbf)	Seal Load (1000lbf)		

Slotted Liner							
% Open Area (%)	Perforation Min Dimension (in)	Perforation Max Dimension (in)	Axial Perf Spacing (ft)	Perf Rows	Blank Top Length (ft)	Blank Bottom Length (ft)	
Slot Description	Slot Pattern			Slot Length (in)	Slot Width (in)	Slot Frequency	Screen Gauge (ga)

Liner Hanger				
Retrievable?	Elastomer Type	Element Center Depth (ft)	Polish Bore Size (in)	Polish Bore Length (ft)
Slip Description			Set Mechanics	

Setting Procedure				
Unsetting Procedure				

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By
Branden Arnold Phone Number 435-401-0223
Well Name/Number GMBU B-24-9-15
Qtr/Qtr SW/SE Section 13 Township 9S Range 15E
Lease Serial Number UTU-68548
API Number 43-013-52469

Spud Notice – Spud is the initial spudding of the well, not drilling
out below a casing string.

Date/Time 5/16/14 8:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing
times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 5/16/14 3:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# NDSI SS #1
Submitted By Ryan Crum Phone Number 823-7065
Well Name/Number GMBU B-24-9-15
Qtr/Qtr SW/SE Section 13 Township 9S Range 15E
Lease Serial Number UTU-68548
API Number 43-013-52469

TD Notice – TD is the final drilling depth of hole.

Date/Time 5/27/14 6:00 AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 5/28/14 5:00 AM ☐ PM ☐

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-68548
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: GMBU B-24-9-15
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0555 FSL 2034 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 13 Township: 09.0S Range: 15.0E Meridian: S		9. API NUMBER: 43013524690000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/1/2014	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above well was placed on production on 07/01/2014 at 11:30 hours. Production Start sundry sent late due to ePermit being unavailable at time of PWOP.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 August 15, 2014

NAME (PLEASE PRINT) Jennifer Peatross	PHONE NUMBER 435 646-4885	TITLE Production Technician
SIGNATURE N/A	DATE 8/14/2014	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
 b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.,
 Other: _____

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3. Address ROUTE #3 BOX 3630
MYTON, UT 84052

3a. Phone No. (include area code)
Ph: 435-646-3721

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 555' FSL 2034' FEL (SW/SE) SEC 13 T9S R15E (UTU-68548)

At top prod. interval reported below 115' FSL 1313' FEL (SW/SE) SEC 13 T9S R15E (UTU-68548)

195' FNL 826' FEL (NE/NE) SEC 24 T9S R15E (UTU-66185)

At total depth

14. Date Spudded
05/16/2014

15. Date T.D. Reached
05/29/2014

16. Date Completed 06/26/2014
☐ D & A ☒ Ready to Prod.

5. Lease Serial No.
UTU68548

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
UTU87538X

8. Lease Name and Well No.
GMBU B-24-9-15

9. API Well No.
43-013-52469

10. Field and Pool or Exploratory
MONUMENT BUTTE

11. Sec., T., R., M., on Block and
Survey or Area SEC 13 T9S R15E Mer SLB

12. County or Parish DUCHESNE
13. State UT

17. Elevations (DF, RKB, RT, GL)*
6144' GL 6154' KB

18. Total Depth: MD 6271'
TVD 6080'

19. Plug Back T.D.: MD 6240'
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24	0'	319'		155 CLASS G			
7-7/8"	5-1/2" J-55	15.50	0'	6264'		270 Econocem		0'	
						490Expandacem			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@6105'	TA@5912'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	4166'	5952'	4166' - 5952' MD	0.34	90	
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
4166' - 5952' MD	Frac w/ 424,654#s of 20/40 white sand in 3,568 bbls of Lightning 17 fluid, in 6 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
7/1/14	7/10/14	24	→	99	18	66			2.5 x 1.75 x 24 RHAC
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers
GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MARK GARDEN GULCH 1	3575' 3805'
				GARDEN GULCH 2 POINT 3	3912' 4159'
				X MRKR Y MRKR	4432' 4468'
				DOUGLAS CREEK MRK BI CARBONATE MRK	4576' 4788'
				B LIMESTONE MRK CASTLE PEAK	4930' 5474'
				BASAL CARBONATE WASATCH	6088' 6215'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: Drilling daily activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Heather CalderTitle Regulatory TechnicianSignature Heather CalderDate 07/21/2014

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NEWFIELD



NEWFIELD EXPLORATION

USGS Myton SW (UT)

SECTION 13 T9, R15

B-24-9-15

Wellbore #1

Design: Actual

End of Well Report

01 June, 2014





Payzone Directional

End of Well Report



Sundry Number: 53651 API Well Number: 43013524690000

Company: NEWFIELD EXPLORATION		Local Co-ordinate Reference:	
Project: USGS Myton SW (UT)		Well B-24-9-15	
Site: SECTION 13 T9, R15		B-24-9-15 @ 6154.0usft (SS #1)	
Well: B-24-9-15		B-24-9-15 @ 6154.0usft (SS #1)	
Wellbore: Wellbore #1		True	
Design: Actual		Minimum Curvature	
		EDM 5000.1 Single User Db	

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983		
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		
System Datum:	Mean Sea Level		

Site	SECTION 13 T9, R15		
Site Position:	Northing:	Latitude:	40° 2' 7.883 N
From: Map	Easting:	Longitude:	110° 10' 15.117 W
Position Uncertainty:	Slot Radius:	Grid Convergence:	0.85 °

Well	B-24-9-15, SHL LAT: 40 01 30.68 LONG: -110 10 42.04		
Well Position	+N/-S	Northing:	Latitude:
	+E/-W	Easting:	Longitude:
Position Uncertainty	Wellhead Elevation:	Ground Level:	6,144.0 usft

Wellbore	Wellbore #1			
Magnetics	Model Name	Sample Date	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/18/2014	10.98	51,950

Design	Actual			
Audit Notes:				
Version:	1.0	Phase:	Tie On Depth:	
		ACTUAL	0.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	121.83

Survey Program	Date	6/1/2014	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
347.0	6,271.0	Survey #1 (Wellbore #1)	MWD
			MWD - Standard



Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 13 T9, R15
 Well: B-24-9-15
 Wellbore: Wellbore #1
 Design: Actual

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:
 Database:

Well B-24-9-15
 B-24-9-15 @ 6154.0usft (SS #1)
 B-24-9-15 @ 6154.0usft (SS #1)
 True
 Minimum Curvature
 EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	347.0	1.40	65.20	347.0	2.3	1.8	3.8	0.40	0.40	0.00
	378.0	1.30	71.90	378.0	2.8	2.0	4.5	0.60	-0.32	21.61
	409.0	1.50	77.10	408.9	3.3	2.2	5.3	0.76	0.65	16.77
	439.0	1.80	87.50	438.9	3.9	2.4	6.1	1.41	1.00	34.67
	470.0	2.10	93.20	469.9	4.9	2.3	7.2	1.15	0.97	18.39
	501.0	2.50	100.80	500.9	6.0	2.2	8.4	1.62	1.29	24.52
	532.0	2.80	105.80	531.9	7.3	1.9	9.8	1.22	0.97	16.13
	562.0	3.00	114.20	561.8	8.8	1.3	11.2	1.56	0.67	28.00
	593.0	3.20	115.20	592.8	10.5	0.6	12.7	0.67	0.65	3.23
	624.0	3.50	114.50	623.7	12.3	-0.1	14.4	0.98	0.97	-2.26
	655.0	3.70	119.60	654.7	14.2	-1.0	16.1	1.22	0.65	16.45
	685.0	3.70	125.20	684.6	16.2	-2.1	17.7	1.20	0.00	18.67
	716.0	4.10	130.30	715.5	18.2	-3.3	19.4	1.71	1.29	16.45
	747.0	4.40	130.50	746.4	20.5	-4.8	21.2	0.97	0.97	0.65
	778.0	4.80	128.50	777.3	23.0	-6.4	23.1	1.39	1.29	-6.45
	808.0	5.30	129.60	807.2	25.6	-8.1	25.1	1.70	1.67	3.67
	839.0	5.80	130.20	838.1	28.6	-10.0	27.4	1.62	1.61	1.94
	870.0	6.20	131.00	868.9	31.8	-12.1	29.9	1.32	1.29	2.58
	901.0	6.50	132.70	899.7	35.1	-14.4	32.4	1.14	0.97	5.48
	931.0	6.70	133.70	929.5	38.5	-16.8	34.9	0.77	0.67	3.33
	962.0	6.70	134.90	960.3	42.1	-19.3	37.5	0.45	0.00	3.87
	993.0	6.90	134.50	991.1	45.6	-21.9	40.1	0.66	0.65	-1.29
	1,024.0	7.20	133.50	1,021.9	49.4	-24.5	42.9	1.05	0.97	-3.23
	1,055.0	7.50	131.70	1,052.6	53.3	-27.2	45.8	1.22	0.97	-5.81
	1,100.0	7.90	131.30	1,097.2	59.2	-31.2	50.3	0.90	0.89	-0.89
	1,146.0	8.40	131.50	1,142.7	65.6	-35.5	55.2	1.09	1.09	0.43



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 13 T9, R15
Well: B-24-9-15
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well B-24-9-15
MD Reference: B-24-9-15 @ 6154.0usft (SS #1)
North Reference: B-24-9-15 @ 6154.0usft (SS #1)
Survey Calculation Method: True
Database: Minimum Curvature
 EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
1,192.0	8.60	129.90	1,188.2	72.3	-39.9	60.4	0.67	0.43	-3.48
1,238.0	8.70	128.10	1,233.7	79.2	-44.3	65.7	0.63	0.22	-3.91
1,283.0	8.90	125.80	1,278.2	86.1	-48.4	71.2	0.90	0.44	-5.11
1,329.0	8.90	123.60	1,323.6	93.2	-52.5	77.1	0.74	0.00	-4.78
1,375.0	9.60	121.60	1,369.0	100.6	-56.5	83.3	1.67	1.52	-4.35
1,421.0	9.80	120.90	1,414.4	108.3	-60.5	89.9	0.50	0.43	-1.52
1,467.0	9.90	119.70	1,459.7	116.2	-64.4	96.7	0.50	0.22	-2.61
1,512.0	10.00	116.80	1,504.0	123.9	-68.1	103.6	1.14	0.22	-6.44
1,558.0	10.70	119.00	1,549.3	132.2	-72.0	110.9	1.75	1.52	4.78
1,604.0	11.50	119.10	1,594.4	141.0	-76.3	118.6	1.74	1.74	0.22
1,650.0	11.80	115.60	1,639.5	150.3	-80.6	126.9	1.67	0.65	-7.61
1,693.0	12.10	116.00	1,681.5	159.1	-84.4	134.9	0.72	0.70	0.93
1,737.0	13.10	117.00	1,724.5	168.7	-88.7	143.5	2.33	2.27	2.27
1,783.0	14.20	118.40	1,769.2	179.5	-93.8	153.1	2.50	2.39	3.04
1,829.0	14.60	119.40	1,813.7	190.9	-99.3	163.1	1.02	0.87	2.17
1,874.0	14.70	120.80	1,857.3	202.3	-105.0	172.9	0.82	0.22	3.11
1,920.0	15.40	120.90	1,901.7	214.3	-111.1	183.2	1.52	1.52	0.22
1,966.0	16.20	121.10	1,945.9	226.8	-117.6	193.9	1.74	1.74	0.43
2,012.0	16.50	121.80	1,990.1	239.7	-124.3	205.0	0.78	0.65	1.52
2,057.0	16.90	121.80	2,033.2	252.7	-131.2	216.0	0.89	0.89	0.00
2,101.0	17.00	121.70	2,075.3	265.5	-137.9	226.9	0.24	0.23	-0.23
2,147.0	16.90	120.70	2,119.3	278.9	-144.8	238.4	0.67	-0.22	-2.17
2,191.0	16.80	121.40	2,161.4	291.7	-151.4	249.3	0.51	-0.23	1.59
2,237.0	17.00	120.80	2,205.4	305.0	-158.3	260.7	0.58	0.43	-1.30
2,283.0	17.20	120.80	2,249.4	318.6	-165.3	272.3	0.43	0.43	0.00
2,328.0	17.30	120.20	2,292.3	331.9	-172.0	283.8	0.45	0.22	-1.33
2,374.0	16.80	120.80	2,336.3	345.4	-178.9	295.5	1.15	-1.09	1.30



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 13 T9, R15
Well: B-24-9-15
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well B-24-9-15
B-24-9-15 @ 6154.0usft (SS #1)
B-24-9-15 @ 6154.0usft (SS #1)
True
Minimum Curvature
EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
	2,420.0	16.20	120.80	2,380.4	358.4	-185.6	306.7	1.30	-1.30	0.00
	2,466.0	15.60	121.60	2,424.7	371.0	-192.1	317.5	1.39	-1.30	1.74
	2,510.0	15.30	121.50	2,467.1	382.8	-198.2	327.5	0.68	-0.68	-0.23
	2,555.0	15.30	121.60	2,510.5	394.6	-204.4	337.6	0.06	0.00	0.22
	2,599.0	15.50	122.50	2,552.9	406.3	-210.6	347.5	0.71	0.45	2.05
	2,645.0	15.70	122.20	2,597.2	418.7	-217.3	357.9	0.47	0.43	-0.65
	2,691.0	16.10	120.90	2,641.4	431.3	-223.9	368.7	1.16	0.87	-2.83
	2,736.0	16.40	120.60	2,684.6	443.9	-230.3	379.5	0.69	0.67	-0.67
	2,782.0	17.00	120.30	2,728.7	457.1	-237.0	390.9	1.32	1.30	-0.65
	2,828.0	17.80	120.50	2,772.6	470.8	-243.9	402.8	1.74	1.74	0.43
	2,874.0	17.50	120.20	2,816.4	484.8	-251.0	414.8	0.68	-0.65	-0.65
	2,920.0	16.90	119.60	2,860.4	498.4	-257.8	426.6	1.36	-1.30	-1.30
	2,963.0	17.10	120.90	2,901.5	510.9	-264.1	437.4	1.00	0.47	3.02
	3,009.0	18.00	123.30	2,945.4	524.8	-271.5	449.2	2.51	1.96	5.22
	3,055.0	17.80	123.20	2,989.1	539.0	-279.2	461.0	0.44	-0.43	-0.22
	3,101.0	17.30	122.90	3,033.0	552.8	-286.8	472.6	1.10	-1.09	-0.65
	3,146.0	17.80	123.80	3,075.9	566.4	-294.3	484.0	1.26	1.11	2.00
	3,190.0	18.30	125.00	3,117.7	580.0	-302.0	495.2	1.42	1.14	2.73
	3,236.0	17.80	124.10	3,161.5	594.2	-310.1	507.0	1.24	-1.09	-1.96
	3,280.0	17.40	123.30	3,203.4	607.5	-317.4	518.0	1.06	-0.91	-1.82
	3,326.0	17.30	122.80	3,247.3	621.2	-324.9	529.5	0.39	-0.22	-1.09
	3,371.0	17.10	122.80	3,290.3	634.6	-332.1	540.7	0.44	-0.44	0.00
	3,417.0	16.70	122.90	3,334.3	647.9	-339.4	551.9	0.87	-0.87	0.22
	3,463.0	16.70	123.30	3,378.4	661.1	-346.6	563.0	0.25	0.00	0.87
	3,509.0	16.20	122.00	3,422.5	674.2	-353.6	574.0	1.35	-1.09	-2.83
	3,553.0	15.70	121.90	3,464.8	686.3	-360.0	584.2	1.14	-1.14	-0.23
	3,599.0	15.40	122.10	3,509.1	698.6	-366.6	594.7	0.66	-0.65	0.43



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 13 T9, R15
Well: B-24-9-15
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well B-24-9-15
MD Reference: B-24-9-15 @ 6154.0usft (SS #1)
North Reference: B-24-9-15 @ 6154.0usft (SS #1)
Survey Calculation Method: True
Database: Minimum Curvature
EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
	3,644.0	14.80	121.50	3,552.6	710.3	-372.7	604.7	1.38	-1.33	-1.33
	3,690.0	14.90	120.60	3,597.0	722.1	-378.8	614.8	0.55	0.22	-1.96
	3,736.0	15.40	118.70	3,641.4	734.1	-384.8	625.2	1.53	1.09	-4.13
	3,780.0	15.30	118.50	3,683.9	745.7	-390.3	635.4	0.26	-0.23	-0.45
	3,826.0	15.20	118.70	3,728.2	757.8	-396.1	646.1	0.25	-0.22	0.43
	3,872.0	15.20	119.30	3,772.6	769.9	-402.0	656.6	0.34	0.00	1.30
	3,918.0	15.00	120.10	3,817.0	781.8	-407.9	667.0	0.63	-0.43	1.74
	3,962.0	15.60	120.30	3,859.5	793.4	-413.8	677.0	1.37	1.36	0.45
	4,007.0	16.20	119.70	3,902.8	805.8	-419.9	687.7	1.38	1.33	-1.33
	4,053.0	16.50	119.70	3,946.9	818.7	-426.3	699.0	0.65	0.65	0.00
	4,099.0	16.50	121.50	3,991.0	831.8	-433.0	710.2	1.11	0.00	3.91
	4,145.0	16.60	123.60	4,035.1	844.9	-440.0	721.3	1.32	0.22	4.57
	4,190.0	16.10	125.40	4,078.3	857.5	-447.2	731.7	1.58	-1.11	4.00
	4,236.0	15.50	128.10	4,122.5	870.0	-454.7	741.7	2.06	-1.30	5.87
	4,282.0	15.20	129.40	4,166.9	882.1	-462.3	751.2	0.99	-0.65	2.83
	4,326.0	14.90	128.30	4,209.4	893.4	-469.5	760.1	0.94	-0.68	-2.50
	4,372.0	14.90	127.10	4,253.8	905.2	-476.7	769.5	0.67	0.00	-2.61
	4,418.0	15.20	125.00	4,298.3	917.1	-483.7	779.1	1.35	0.65	-4.57
	4,463.0	15.60	123.10	4,341.6	929.0	-490.4	789.0	1.43	0.89	-4.22
	4,509.0	15.90	123.70	4,385.9	941.5	-497.3	799.5	0.74	0.65	1.30
	4,555.0	16.10	123.80	4,430.1	954.2	-504.3	810.0	0.44	0.43	0.22
	4,601.0	16.10	124.00	4,474.3	966.9	-511.5	820.6	0.12	0.00	0.43
	4,645.0	15.30	125.40	4,516.7	978.8	-518.2	830.4	2.01	-1.82	3.18
	4,691.0	14.40	125.90	4,561.2	990.6	-525.1	840.0	1.98	-1.96	1.09
	4,736.0	14.50	124.50	4,604.7	1,001.8	-531.6	849.1	0.81	0.22	-3.11
	4,780.0	14.90	123.70	4,647.3	1,013.0	-537.8	858.4	1.02	0.91	-1.82
	4,826.0	15.30	124.10	4,691.7	1,024.9	-544.5	868.3	0.90	0.87	0.87

Payzone Directional

End of Well Report

Sundry Number: 53651 API Well Number: 43013524690000



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 13 T9, R15
Well: B-24-9-15
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: Well B-24-9-15
MD Reference: B-24-9-15 @ 6154.0usft (SS #1)
North Reference: B-24-9-15 @ 6154.0usft (SS #1)
Survey Calculation Method: True
Database: Minimum Curvature
 EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
	4,872.0	15.30	123.50	4,736.1	1,037.1	-551.3	878.4	0.34	0.00	-1.30
	4,918.0	15.40	121.00	4,780.4	1,049.2	-557.8	888.7	1.45	0.22	-5.43
	4,963.0	15.70	119.30	4,823.8	1,061.3	-563.8	899.1	1.21	0.67	-3.78
	5,009.0	16.00	119.50	4,868.0	1,073.8	-570.0	910.1	0.66	0.65	0.43
	5,055.0	16.00	119.80	4,912.3	1,086.5	-576.3	921.1	0.18	0.00	0.65
	5,101.0	16.20	117.10	4,956.4	1,099.2	-582.3	932.3	1.68	0.43	-5.87
	5,145.0	16.30	118.20	4,998.7	1,111.5	-588.0	943.2	0.74	0.23	2.50
	5,190.0	16.80	120.80	5,041.8	1,124.3	-594.4	954.4	1.99	1.11	5.78
	5,236.0	16.50	121.10	5,085.9	1,137.5	-601.1	965.7	0.68	-0.65	0.65
	5,280.0	16.30	121.00	5,128.1	1,149.9	-607.5	976.3	0.46	-0.45	-0.23
	5,326.0	16.40	122.00	5,172.2	1,162.9	-614.3	987.4	0.65	0.22	2.17
	5,371.0	17.10	120.50	5,215.3	1,175.8	-621.0	998.5	1.83	1.56	-3.33
	5,417.0	17.70	118.50	5,259.2	1,189.6	-627.8	1,010.4	1.84	1.30	-4.35
	5,463.0	16.70	118.10	5,303.2	1,203.2	-634.3	1,022.4	2.19	-2.17	-0.87
	5,509.0	15.00	120.10	5,347.4	1,215.7	-640.4	1,033.4	3.88	-3.70	4.35
	5,555.0	14.00	120.70	5,392.0	1,227.2	-646.2	1,043.3	2.20	-2.17	1.30
	5,600.0	13.70	119.80	5,435.7	1,238.0	-651.6	1,052.6	0.82	-0.67	-2.00
	5,644.0	14.00	119.60	5,478.4	1,248.5	-656.8	1,061.8	0.69	0.68	-0.45
	5,690.0	14.90	117.10	5,522.9	1,260.0	-662.3	1,071.9	2.38	1.96	-5.43
	5,736.0	16.00	115.80	5,567.3	1,272.2	-667.7	1,082.9	2.51	2.39	-2.83
	5,782.0	17.50	115.60	5,611.3	1,285.4	-673.5	1,094.8	3.26	3.26	-0.43
	5,827.0	17.80	113.20	5,654.2	1,298.9	-679.1	1,107.2	1.75	0.67	-5.33
	5,873.0	17.90	114.00	5,698.0	1,312.8	-684.8	1,120.1	0.58	0.22	1.74
	5,919.0	17.40	118.00	5,741.8	1,326.7	-690.9	1,132.7	2.85	-1.09	8.70
	5,965.0	17.40	120.70	5,785.7	1,340.4	-697.6	1,144.7	1.76	0.00	5.87
	6,011.0	17.60	124.30	5,829.6	1,354.3	-705.0	1,156.3	2.39	0.43	7.83
	6,055.0	16.50	127.20	5,871.6	1,367.1	-712.6	1,166.8	3.16	-2.50	6.59



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 13 T9, R15
Well: B-24-9-15
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference:
TVD Reference: B-24-9-15 @ 6154.0usft (SS #1)
MD Reference: B-24-9-15 @ 6154.0usft (SS #1)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
	6,098.0	15.40	131.50	5,913.0	1,378.8	-720.0	1,175.9	3.75	-2.56	10.00
	6,144.0	14.40	134.20	5,957.4	1,390.4	-728.1	1,184.6	2.65	-2.17	5.87
	6,190.0	14.63	132.84	6,002.0	1,401.7	-736.0	1,193.0	0.89	0.50	-2.96
	6,218.0	14.55	132.40	6,029.1	1,408.7	-740.8	1,198.2	0.49	-0.29	-1.57
	6,271.0	14.55	132.40	6,080.4	1,421.8	-749.8	1,208.0	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____

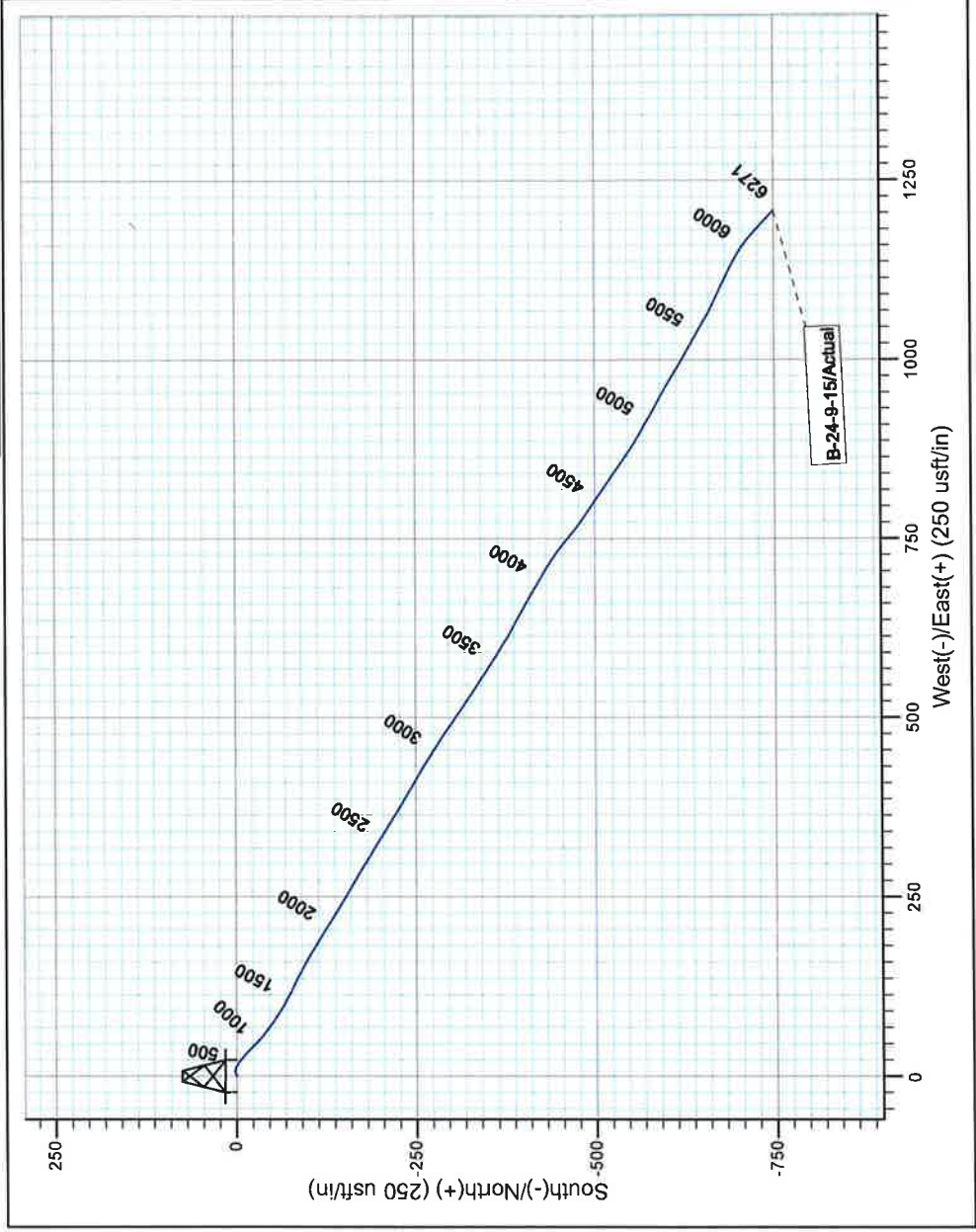
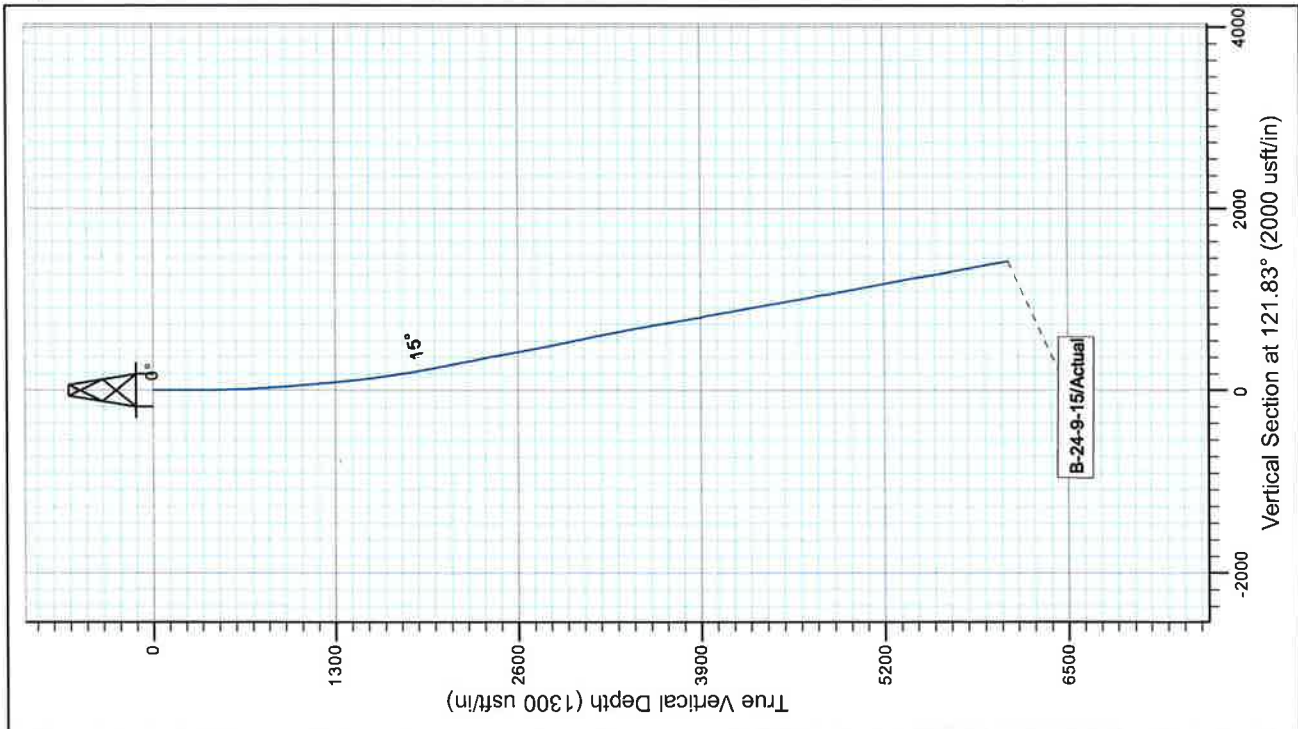


Project: USGS Myton SW (UT)
Site: SECTION 13 T9, R15
Well: B-24-9-15
Wellbore: Wellbore #1
Design: Actual



Azimuths to True North
Magnetic North: 10.98°

Magnetic Field
Strength: 51949.9snT
Dip Angle: 65.68°
Date: 5/18/2014
Model: IGRF2010



Design: Actual (B-24-9-15/Wellbore #1)

Created By: Matthew Linton Date: 7:31, June 01 2014

THIS SURVEY IS CORRECT TO THE BEST OF
MY KNOWLEDGE AND IS SUPPORTED
BY ACTUAL FIELD DATA

NEWFIELD



Summary Rig Activity

Well Name: GMBU B-24-9-15

Job Category

Job Start Date

Job End Date

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary	End Time	Start Time	Comment
6/16/2014	6/17/2014	NU BOPs, Ran CBL., Pressure test well control stack. Perforate 1st stage.			
	06:00		08:00		NU Weatherford 5K BOPs & FMC 5K frac valve
	08:00		10:00		Run CBL from 6210' to surface under 0 psi. Est TOC @ surface
	10:00		12:00		Pressure test csg to 4300 psi for 30 min. Pressure test well control stack to 5000 psi for 10 min. Low tests of 250 -300 psi for 5 min.
	12:00		13:00		Perforate stage 1.
	13:00		00:00		SDFN
Report Start Date	Report End Date	24hr Activity Summary	End Time	Start Time	Comment
6/17/2014	6/18/2014	Frac & Flow back Well			
	00:00		06:00		SDFN
	06:00		07:00		RU Nabors Frac Crew. Press test Lines & Pump To 5000psi
	07:00		08:30		(Stg #1 17#) Frac CP-4/2 Formations W/ 102.448# 20/40 white sand W/ 701 Total bbls pumped psi (SCREENED OUT WITH 85 BBLs FLUSH LEFT) 22,600# SAND LEFT IN PIPE)
	08:30		09:30		LET SAND SETTLE
	09:30		10:00		(Stg #2) RU Extreme wireline. Press test lube to 4,000 psi, MU RIH w/ 3 1/8" disposable slick guns (.34 EHD, 180 deg phasing, 16 gram charges, 2 spf), Perforate the LBLKSH @ 5604-08', 5592-94', (12-Holes)', POOH RD wireline, SWI
	10:00		12:00		Try To Break Down LBLKSH formation w/ no luck RU W/L RIH w/ Bailer spot acid on perfs Tag Sand @ 5338' POOH RD Bailer
	12:00		15:00		Flow back Sand
	15:00		17:00		Try To Break Down LBLKSH formation w/ no luck RU W/L RIH w/ Bailer spot acid on perfs Tag Sand @ 5390' Work Bailer free POOH RD Bailer
	17:00		00:00		SDFN
Report Start Date	Report End Date	24hr Activity Summary	End Time	Start Time	Comment
6/19/2014	6/20/2014	PU tbq & clean out sand			
	00:00		04:00		SDFN
	04:00		05:00		Crew Travel
	05:00		07:00		LOAM from 15-26-4-3 to B-24-9-15, RU rig, NU BOPs, RU floor and tbq equip.
	07:00		09:00		Unload tbq, Spot Catwalk, Prep & Talley tbq, Pressure test BOPs, RU pump.
	09:00		11:00		PU & TIH w/NC, PSN, 1st row of tbq, Prep & Talley the rest of the tbq total of 194 jts. Cont PU & TIH



Well Name: GMBU B-24-9-15

Summary Rig Activity

Start Time	11:00	End Time	16:00	Comment
Start Time	16:00	End Time	20:00	Tag fill @ 4720' jt 143 Clean out 985' fill to 5705' jt 173
Start Time	20:00	End Time	21:00	Comment
Start Time	21:00	End Time	00:00	Pull up hole 10 jts let well sit for 30 min. TIH tag sand @ 5440 jt 165, Circ sand out TIH to jt 173 no fill. Clean out 329' more feet of fill to jt 183 @ 6034' Circ well clean of sand w/ clean 4% KCL, TOOH w/42 jts EOT @ 4650' jt 141.
Report Start Date	6/20/2014	Report End Date	6/21/2014	Comment
Start Time	00:00	End Time	06:00	Crew Travel
Start Time	06:00	End Time	07:00	Comment
Start Time	07:00	End Time	08:00	SDFN
Report Start Date	6/20/2014	Report End Date	6/21/2014	Comment
Start Time	00:00	End Time	06:00	Shut down for night
Start Time	06:00	End Time	07:00	Comment
Start Time	07:00	End Time	08:00	Crew travel
Start Time	08:00	End Time	10:00	Check pressure on well 500 psi tbg & csg, Bleed down pressure, TIH & Tag fill @ 6011', jt 182, Break down circulating stand.
Start Time	10:00	End Time	12:00	TOOH w/tbg, RD floor and tbg equip, ND double pipe rams, Ready for Frac crew & WL to RU to well head.
Start Time	12:00	End Time	12:45	Comment
Start Time	12:45	End Time	13:30	RU floor & frac head, RU WL RIH w/ solid composite plug @ set plug @ 5680'.
Start Time	13:30	End Time	14:15	Comment
Start Time	14:15	End Time	14:45	Finish RU frac lines.
Start Time	14:45	End Time	16:00	Comment
Start Time	16:00	End Time	16:50	Frac stage 2 LBLKSH w/ 66,899#s 20/40 white sand. Open pressure of 0 psi. Broke @ 3825 psi w/ 2 bbls @ 2.2 bpm. ISDP 1827 psi, FG.77. Max pressure 3980 psi, Max rate of 28.9 BPM. Ave pressure 2844 psi, Ave rate of 24.9 BPM. ISIP 2675 psi. 5 min SIP 2174 psi, 10 min SIP 2170 psi, 15 min SIP 2078 psi.
Start Time	16:50	End Time	18:15	Comment
Start Time	18:15	End Time	18:45	RIH w/ CFTP & perf guns. Set CFTP @ 5340'. Perforate stage 2.
Start Time	18:45	End Time	19:45	Comment
Start Time	19:45	End Time	20:45	Frac stage 3 LODC & B1 sands w/ 61,480#s of 20/40 white sand. Stage was designed for 78K#s. Cut sand early and screened out 20 bbls into flush.
Start Time	20:45	End Time	21:45	Comment
Start Time	21:45	End Time	22:45	Flowback to pit until fluid was clean of sand. Attempt flushing wellbore w/o success
Start Time	22:45	End Time	23:45	Comment
Start Time	23:45	End Time	00:45	RIH w/ CFTP & perf guns. Set CFTP @ 4960'. Perf stage 4.
Start Time	00:45	End Time	01:45	Comment
Start Time	01:45	End Time	02:45	Attempt to break down perms w/o success. RIH w/ dump bailer & tag sand @ 4900'. Bail HCl on sand top. POOH w/ WL.
Start Time	02:45	End Time	03:45	Comment
Start Time	03:45	End Time	04:45	Frac stage 4 C1 & D1 sands w/ 63,251#s of 20/40 white sand. ISIP 2043 psi, FG.87. 5 min SIP 1778 psi, 10 min SIP 1719 psi, 15 min SIP 1712 psi.
Start Time	04:45	End Time	05:45	Comment
Start Time	05:45	End Time	06:45	RIH w/ CFTP & perf guns. Set CFTP @ 4690'. Perforate stage 5 perms.
Start Time	06:45	End Time	07:45	Comment
Start Time	07:45	End Time	08:45	Attempt breaking down perms to frac w/o success. SDFN.
Start Time	08:45	End Time	09:45	Comment
Start Time	09:45	End Time	10:45	Crew travel

Well Name: GMBU B-24-9-15

Start Time	21:45	End Time	00:00	Comment SDFN
Report Start Date	6/23/2014	Report End Date	6/24/2014	24hr Activity Summary
Start Time	00:00	End Time	06:00	Comment SDFN
Start Time	06:00	End Time	07:00	Comment Crew Travel Safety Meeting JSA. Frac & W/L
Start Time	07:00	End Time	08:00	Comment Stg#5 17# Frac. RU Halliburton Frac DS,PB10, & PB-8 Formation W/ 61,409# 20/40 White sand (CUT 11,000#) w/ 592 Total BBIs ISIP 3187 psi FG 1.15 Max press 3969 psi avg press 3718psi max rate 21.1bpm avg rate 19.7 bpm
Start Time	08:00	End Time	09:00	Comment (Stg #6) RU Extreme wireline, Press test lube to 4,000 psi. MU RIH w/ 3 1/8" disposable slick guns (34 EHD, 180 deg phasing, 16 gram charges, 2 spf), Perforate the GB-4 @ 4180-84', 4166-68', (12-Holes)', POOH RD wireline, SWI
Start Time	09:00	End Time	09:30	Comment Stg#6 17# Frac. RU Halliburton Frac GB-4 Formation W/ 69,401# 20/40 White sand W/ 500 Total BBIs ISIP 1758 psi FG .86 Max press 3383 psi avg press 2538 psi max rate 32 bpm avg rate 31.6 bpm
Start Time	09:30	End Time	12:00	Comment SICP 1700 psi open well to pit on 16/64 choke flow back @ 2 bpm
Start Time	12:00	End Time	14:00	Comment 2RIH w/WL to set KP @ 4070'. RD floor and ND Frac Valve & NU Double pipe rams
Start Time	14:00	End Time	15:00	Comment Test BOPs, Good test
Start Time	15:00	End Time	16:30	Comment TIH w/BHA as follows, used 4-3/4" Chomp bit, bit sub, PSN, 122 jts of tbg, tag fill on jt 122 @4000', RU RBS Power swivel.
Start Time	16:30	End Time	20:30	Comment Clean out 70' fill to KP @4070', Drill plug in 29 min cerc well clean, Cont PU & TIH to 2nd plug @4250' jt 129, tag fill @4197' jt 128, clean out 53' fill to Plug, drill plug in 30 min cerc well clean well started to give up alot of sand. Hang back Power swivel. LD 6 jts of tbg, EOT @4060', SDFN @8:30pm Ready to finish drilling plugs & Clean out fill to PBTD.
Start Time	20:30	End Time	00:00	Comment SDFN
Report Start Date	6/24/2014	Report End Date	6/25/2014	24hr Activity Summary
Start Time	00:00	End Time	06:00	Comment SDFN
Start Time	06:00	End Time	07:00	Comment Crew Travel & Safety mtg
Start Time	07:00	End Time	09:00	Comment Check pressure on well 600psi all around, Bleed down well & cerc down tbg to TIH w/tbg, to 3rd plug @4690' jt 143, Tag plug on jt 143, drill plug in 30 min, cerc well clean
Start Time	09:00	End Time	11:00	Comment Cont PU & TIH w/Power swivel to 4th plug @4950' jt 150, Tag fill @4913 jt 149, swivel started to spray Hydraulic oil out of trailer. Rack out power swivel, Wait for another RBS Power Swivel



Well Name: GMBU B-24-9-15

Summary Rig Activity

Start Time	11:00	End Time	18:00	Comment
Start Time	18:00	End Time	19:00	RU RBS Power Swivel, Clean out 33' fill to plug drill plug in 40 min, Cerc well clean. TIH w/tbg to 5th plug @5340' jt 162, Tag fill @5243' jt 159 Clean out 97' fill to plug drill plug in 23 min, Cerc sand out of well, Cont TIH w/tbg to 6th plug, tag sand right under plug @5347' jt 162, 343' fill to Plug, make 2 connections, well was flowing up sand cerc sand out, PU & TIH w/swivel tag fill again on jt 168 @5534', clean out 156' fill to plug @5690' jt 173, Drill plug in 30 min Cerc well clean of sand.
Start Time	19:00	End Time	20:00	Comment
Start Time	20:00	End Time	00:00	LD 20 jts tbg and TIH w/18 jts out of derick, SDFN @7:00pm
Report Start Date	6/25/2014	Report End Date	6/26/2014	24hr Activity Summary
Start Time	00:00	End Time	06:00	Crew Travel
Start Time	06:00	End Time	07:00	SDFN
Start Time	07:00	End Time	12:00	Check pressure on well 500 psi all around, bleed down well & Circ down tbg to TIH, PU & TIH w/tbg tag fill @ 5958' jt 181 clean out 282' fill to PBTD @ 6240', Circ sand out of well, Kill well, round trip tbg.
Start Time	12:00	End Time	16:00	Comment
Start Time	16:00	End Time	18:30	TOOH w/tbg LD Bit, Sub, TIH w/BHA as follows, Purge Valve, 2 jts, Desander w/4' pup, 1 jt, PSN, 2 jts, TAC, 179 jts tbg, Pre-set TAC Land well w/ donut, RD floor and tbg equip, ND Double pipe ram, Single Blind ram
Start Time	18:30	End Time	19:30	Well flowing, Circ down tbg to kill well, unland donut & set TAC w/18000# tension, Top TAC @ 5912.1, Top PSN @ 5982', EOT @ 6104.75, 152' Rat Hole to PBTD @ 6240', Land well w/donut, NU B1 adapter flange, X/O to Rod equip & Finish Prepping Rods, ND Frac Valve and NU Double pipe rams on the C-24-9-15 to be tested.
Start Time	19:30	End Time	00:00	SDFN @6:30pm Ready to PU rods & RD & move over
Report Start Date	6/26/2014	Report End Date	6/27/2014	24hr Activity Summary
Start Time	00:00	End Time	06:00	Crew travel
Start Time	06:00	End Time	07:00	SDFN
Start Time	07:00	End Time	08:00	Check pressure on well, 400 psi. Bleed off pressure. PU & stroke test pump.
Start Time	08:00	End Time	11:00	TIH w/pump 2.5x1.75xRHACx20x23x24', Double valve API on top Cali on Bottom, 206" MS. PU & TIH w/30 - 7/8" 8pers, 131 - 3/4" 4pers, 76 - 7/8" 4pers, 8' 6", 2' x 7/8" Ponys, PU 1-1/2" x 30' SM Polish Rod w/acc, RU PU, Stroke test to 800psi, good.
Start Time	11:00	End Time	12:00	Comment
Start Time	12:00	End Time	00:00	RD Rig & slide over to C-24-9-15, Ready to PWOP w/145" SL @5spm after we finish the C-24-9-15 Completion.